

History Recd
Not For Loan

Not alone -
Not yet
History Recd
Not For Loan

MICHIGAN BUGGY COMPANY

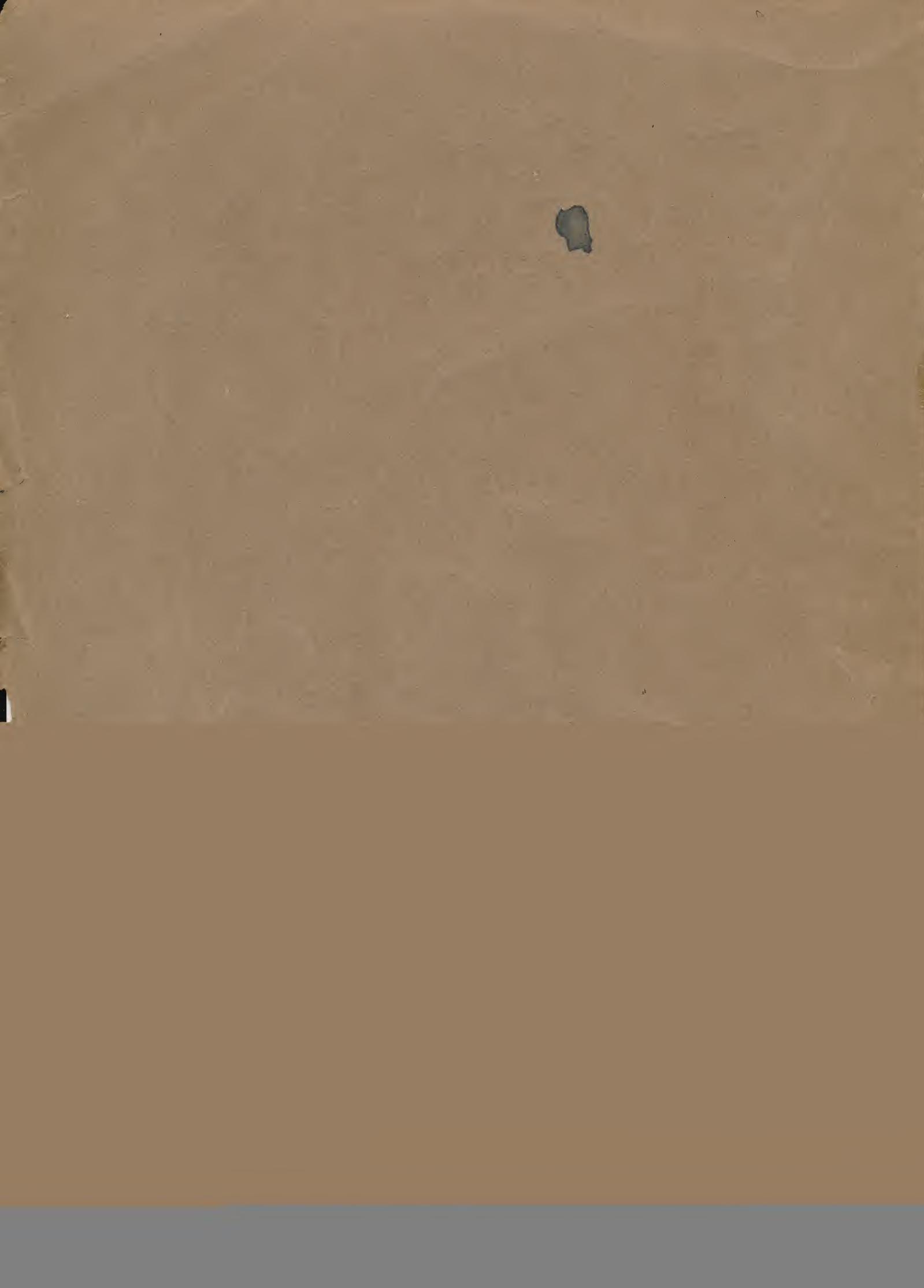
KALAMAZOO, MICHIGAN

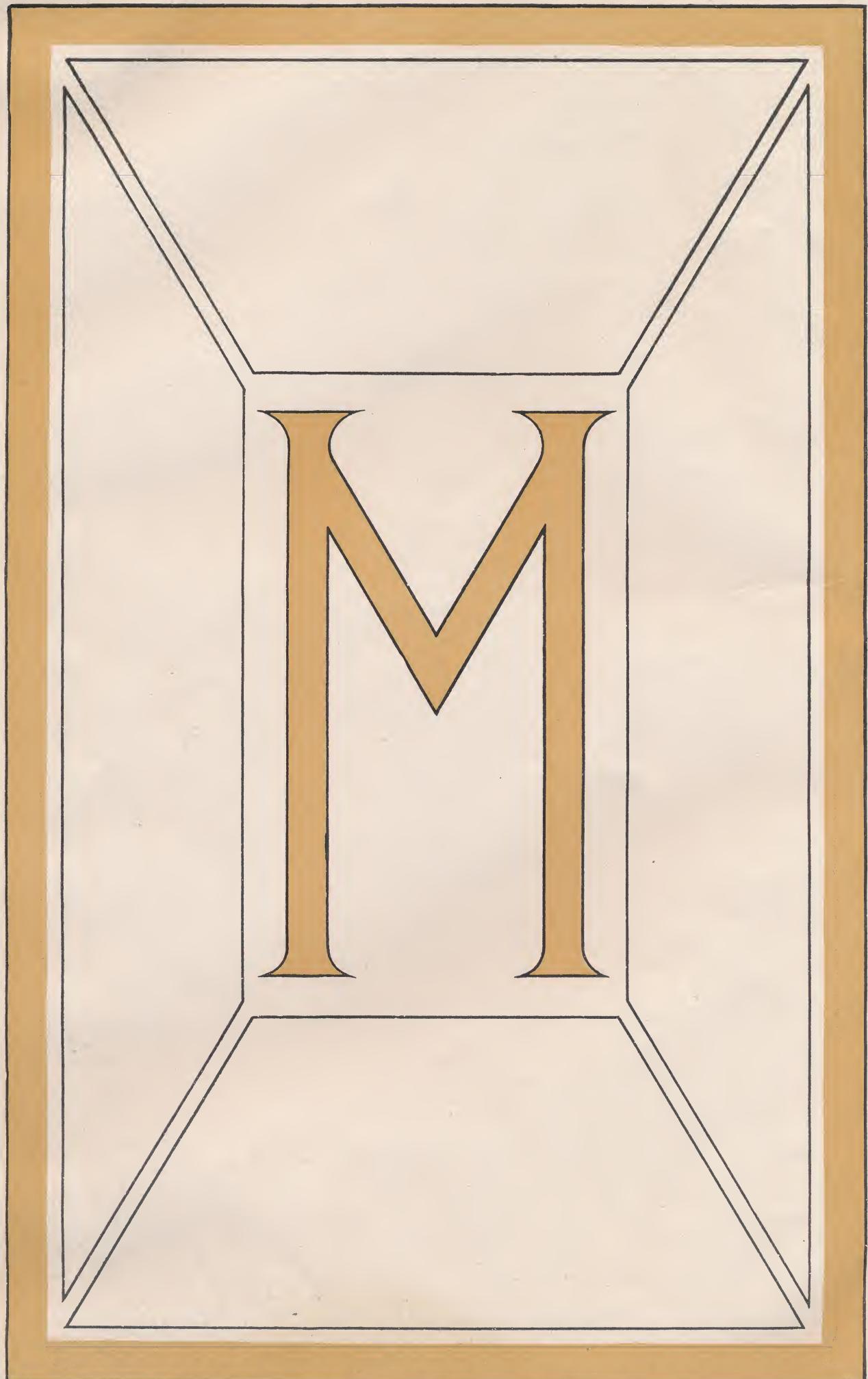
AUG 12 1938



KALAMAZOO
MICHIGAN

WAGONS
HR





MICHIGAN BUGGY COMPANY

THE RELIABLE
MICHIGAN LINE
OF VEHICLES



DESIGNERS & BUILDERS OF
FINE CARRIAGES, SLEIGHS
AND PONY VEHICLES
KALAMAZOO MICHIGAN
U S A





OFFICERS

M. H. LANE, President.

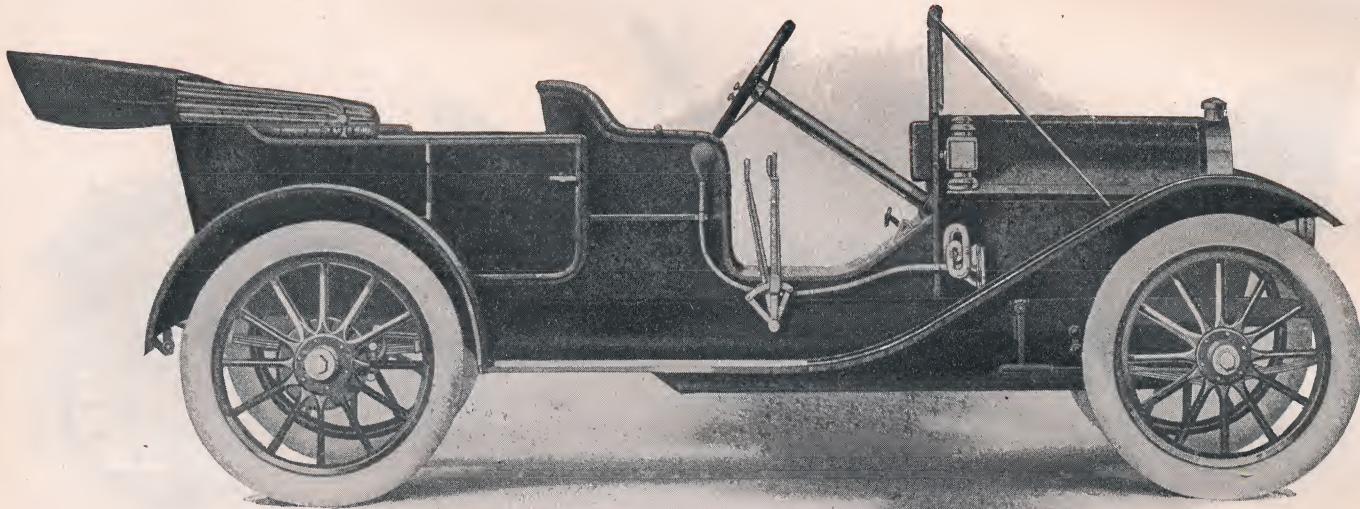
F. B. LAY, Vice-Pres. and Treasurer.

V. L. PALMER, Secretary and Gen'l Sales Mgr.

¶ We issue this catalog solely for your information. Therefore we have tried to make it complete, concise and attractive.

¶ Your particular attention is directed to our TELEGRAPH and CABLE-GRAM CODES, which permit you to order any style we build, in any color, or in any way—still keeping your message within the limits. You will find CODE for each vehicle, to be ordered regular, included in the description of same. SUPPLEMENTARY CODE will be found on the last pages, giving complete list of questions and answers regarding anything you may wish to know.

¶ We would also call your particular attention to IMPORTANT INFORMATION on page 73.



Model E—\$1295.00. (33 H. P.) 112-inch Wheel Base.

Specifications

MOTOR—Four cylinder, four cycle, cast en bloc. "L" head type. Crankshaft $2\frac{1}{4}$ inches diameter. Total bearing length $10\frac{1}{2}$ inches. Valves $2\frac{1}{4}$ inches diameter, interchangeable and adjustable. Bore 4 inches. Stroke $4\frac{1}{2}$ inches.

COOLING—Large radiator, gear driven water pump. Fan mounted on ball bearings and adjustable.

CARBURETOR—Built especially for the "Michigan."

OILING—Self-contained oiling system and splash. Constant level maintained by pump operated from camshaft. Large oil reservoir.

IGNITION—Dual system. Magneto and batteries.

CLUTCH—Multiple disc in oil, bolted to flywheel.

TRANSMISSION—Selective type, 3 speeds forward and reverse. Roller bearings. Extra heavy $1\frac{1}{2}$ inch face gears.

DRIVE—Shaft drive. Two universal joints between clutch and transmission insuring perfect alignment. One universal joint between transmission and shaft. Shaft runs in extra heavy housing on Annular Ball Bearings.

AXLES—Front axle one-piece "I" beam. Nickel-steel forging. 12 inch clearance. Rear axle semi-floating type with $1\frac{1}{4}$ inch chrome nickel steel driving shafts. Bearings throughout Hyatt Roller.

WHEELS—All models equipped with 34 inch Artillery type wheels with $1\frac{1}{2}$ inch spokes and fitted with large ball bearings.

Brakes—Internal expanding and external contracting.

STEERING GEAR—Worm and sector type with hardened bearings. Take up arrangement for wear and back-lash.

FRAME—Pressed steel. Channel section offset in front. $2\frac{1}{2}$ inch kick-up over rear axle, allowing practically straight line drive.

WHEEL BASE—112 inches.

TIRES— $34 \times 3\frac{1}{2}$, Diamond.

SPRINGS—Front semi-elliptic $37 \times 1\frac{1}{4}$ inch. Rear three-quarter elliptic. Lower half $48 \times 1\frac{1}{4}$ inches. Top half $25 \times 1\frac{1}{4}$ inches. All spring suspensions lubricated by hard grease cups.

FENDERS—Heavy sheet steel with mud apron attached.

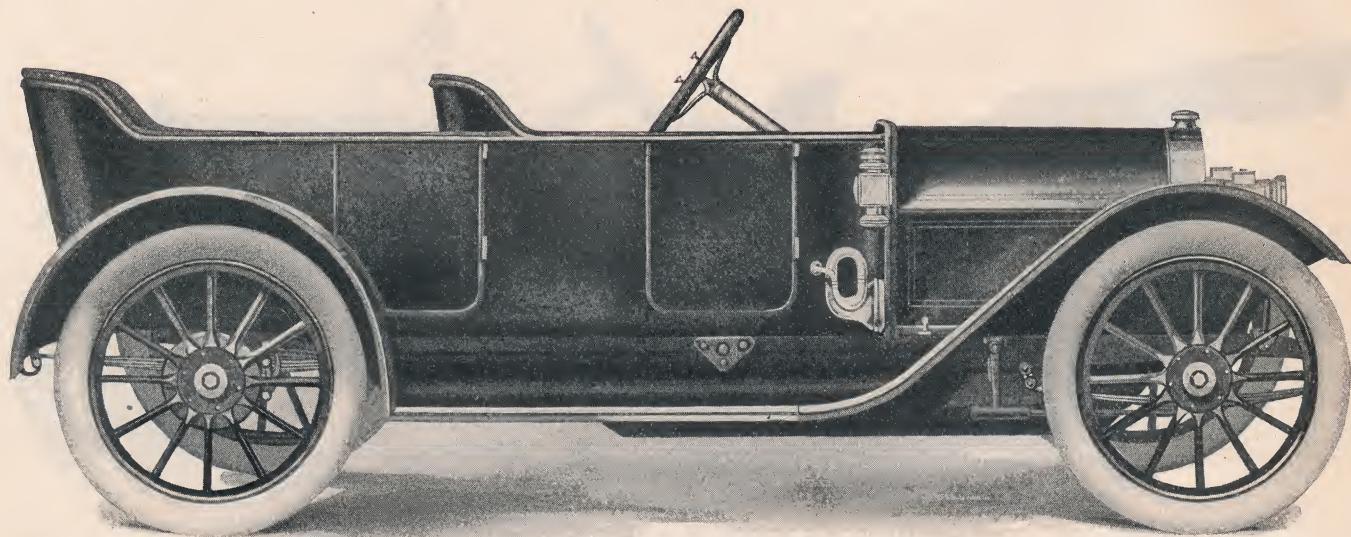
CONTROL—Spark and throttle levers on top of 18 inch steering wheel. Clutch and brake foot pedals. Speed lever operating in "H" quadrant. Emergency brake by hand lever. Foot accelerator. Muffler cutout.

GASOLINE CAPACITY—Model E and H, 18 gallons. Model D, 30 gallons.

BODY—Sheet steel on heavy wood frames.

UPHOLSTERING—Best quality M. B. black leather over high grade curled hair on high grade coiled springs.

EQUIPMENT—Includes magneto, full lighting system, generator, horn and complete set of tools.



Model H—\$1400.00 (33 H. P.) 112-inch Wheel Base.

Specifications

MOTOR—Four cylinder, four cycle, cast en bloc, "L" head type. Crankshaft $2\frac{1}{4}$ inches diameter. Total bearing length $10\frac{1}{2}$ inches. Valves $2\frac{1}{4}$ inches diameter, interchangeable and adjustable. Bore 4 inches. Stroke $4\frac{1}{2}$ inches.

COOLING—Large radiator, gear driven water pump. Fan mounted on ball bearings and adjustable.

CARBURETOR—Built especially for the "Michigan."

OILING—Self-contained oiling system and splash. Constant level maintained by pump operated from camshaft. Large oil reservoir.

IGNITION—Dual system. Magneto and batteries.

CLUTCH—Multiple disc in oil, bolted to flywheel.

TRANSMISSION—Selective type, 3 speeds forward and reverse. Roller bearings. Extra heavy $1\frac{1}{2}$ inch face gears.

DRIVE—Shaft drive. Two universal joints between clutch and transmission insuring perfect alignment. One universal joint between transmission and shaft. Shaft runs in extra heavy housing on Annular Ball Bearings.

AXLES—Front axle one-piece "I" beam. Nickel-steel forging. 12 inch clearance. Rear axle semi-floating type with $1\frac{1}{4}$ inch chrome nickel steel driving shafts. Bearings throughout Hyatt Roller.

WHEELS—All models equipped with 34 inch Artillery type wheels with $1\frac{1}{2}$ inch spokes and fitted with large ball bearings.

BRAKES—Internal expanding and external contracting.

STEERING GEAR—Worm and sector type with hardened bearings. Take up arrangement for wear and back-lash.

FRAME—Pressed steel. Channel section offset in front. $2\frac{1}{2}$ inch kick-up over rear axle, allowing practically straight line drive.

WHEEL BASE—112 inches.

TIRES— $34 \times 3\frac{1}{2}$, Diamond.

SPRINGS—Front semi-elliptic $37 \times 1\frac{3}{4}$ inch. Rear three-quarter elliptic. Lower half $48 \times 1\frac{1}{4}$ inches. Top half $25 \times 1\frac{3}{4}$ inches. All spring suspensions lubricated by hard grease cups.

FENDERS—Heavy sheet steel with mud apron attached.

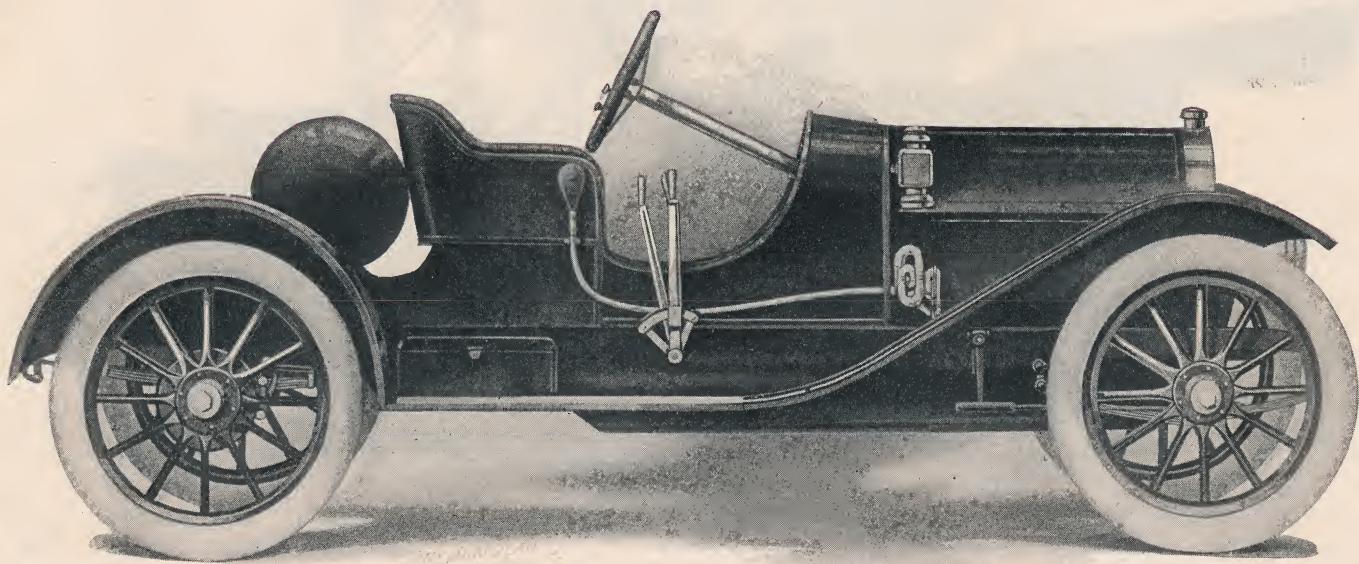
CONTROL—Spark and throttle levers on top of 18 inch steering wheel. Clutch and brake foot pedals. Speed lever operating in "H" quadrant. Emergency brake by hand lever. Foot accelerator. Muffler cutout.

GASOLINE CAPACITY—Model E and H, 18 gallons. Model D, 30 gallons.

BODY—Sheet steel on heavy wood frames.

UPHOLSTERING—Best quality M. B. black leather over high grade curled hair on high grade coiled springs.

EQUIPMENT—Includes magneto, full lighting system, generator, horn and complete set of tools.



Model D—\$1150.00 (33 H. P.) 112-inch Wheel Base.

Specifications

MOTOR—Four cylinder, four cycle, cast en bloc. "L" head type. Crankshaft $2\frac{3}{4}$ inches diameter. Total bearing length $10\frac{1}{2}$ inches. Valves $2\frac{1}{4}$ inches diameter, interchangeable and adjustable. Bore 4 inches. Stroke $4\frac{1}{2}$ inches.

COOLING—Large radiator, gear driven water pump. Fan mounted on ball bearings and adjustable.

CARBURETOR—Built especially for the "Michigan."

OILING—Self-contained oiling system and splash. Constant level maintained by pump operated from camshaft. Large oil reservoir.

IGNITION—Dual system. Magneto and batteries.

CLUTCH—Multiple disc in oil, bolted to flywheel.

TRANSMISSION—Selective type, 3 speeds forward and reverse. Roller bearings. Extra heavy $1\frac{1}{2}$ inch face gears.

DRIVE—Shaft drive. Two universal joints between clutch and transmission insuring perfect alignment. One universal joint between transmission and shaft. Shaft runs in extra heavy housing on Annular Ball Bearings.

AXLES—Front axle one-piece "I" beam. Nickel-steel forging, 12 inch clearance. Rear axle semi-floating type with $1\frac{1}{4}$ inch chrome nickel steel driving shafts. Bearings throughout Hyatt Roller.

WHEELS—All models equipped with 34 inch Artillery type wheels with $1\frac{1}{2}$ inch spokes and fitted with large ball bearings.

BRAKES—Internal expanding and external contracting.

STEERING GEAR—Worm and sector type with hardened bearings. Take up arrangement for wear and back-lash.

FRAME—Pressed steel. Channel section offset in front. $2\frac{1}{2}$ inch kick-up over rear axle, allowing practically straight line drive.

WHEEL BASE—112 inches.

TIRES—34x $3\frac{1}{2}$, Diamond.

SPRINGS—Front semi-elliptic $37x1\frac{3}{4}$ inch. Rear three-quarter elliptic. Lower half $48x1\frac{3}{4}$ inches. Top half $25x1\frac{1}{4}$ inches. All spring suspensions lubricated by hard grease cups.

FENDERS—Heavy sheet steel with mud apron attached.

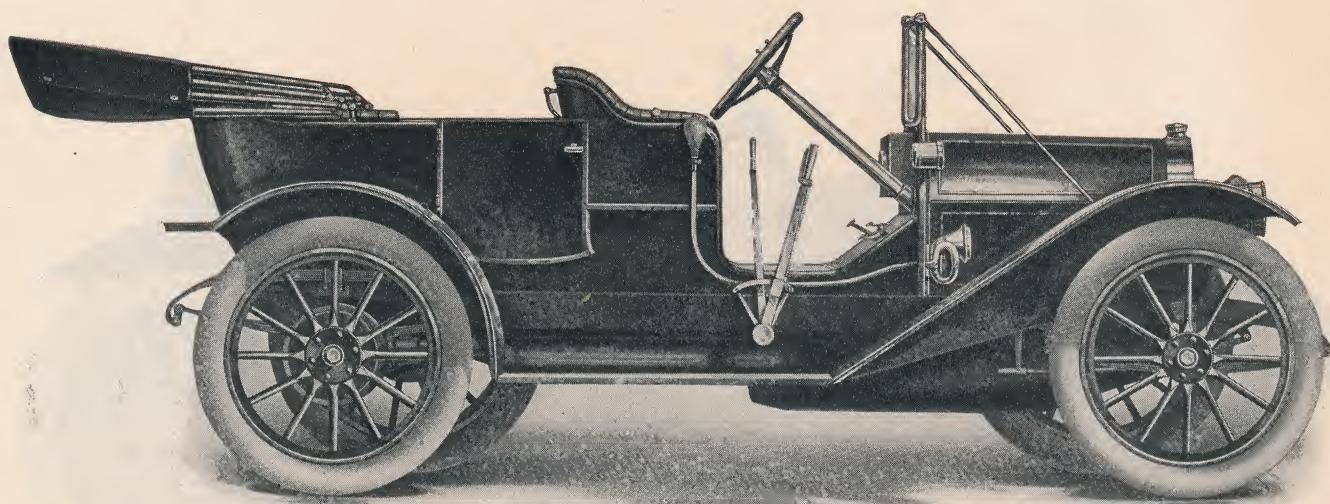
CONTROL—Spark and throttle levers on top of 18 inch steering wheel. Clutch and brake foot pedals. Speed lever operating in "H" quadrant. Emergency brake by hand lever. Foot accelerator. Muffler cutout.

GASOLINE CAPACITY—Model E and H, 18 gallons. Model D, 30 gallons.

BODY—Sheet steel on heavy wood frames.

UPHOLSTERING—Best quality M. B. black leather over high grade curled hair on high grade coiled springs.

EQUIPMENT—Includes magneto, full lighting system, generator, horn and complete set of tools.



Model B—\$1500.00. (40 H. P.)

Specifications

MOTOR—Four cylinder, four cycle, cast in pairs. "L" head type. Bore 4½ inches. Stroke 4½ inches.

COOLING—Large radiator, gear driven water pump. Fan mounted on ball bearings and adjustable.

CARBURETOR—Stromberg 1½ inch.

OILING—Self-contained oiling system and splash. Constant level maintained by pump operated from camshaft. Large oil reservoir.

IGNITION—Dual system; magneto guaranteed for life of car, with reserve set of dry cells.

CLUTCH—Multiple disc with Raybestos lined discs, insuring easy engagement of clutch and positive drive for car.

TRANSMISSION—Selective type, 3 speeds forward and reverse. Integral with motor.

DRIVE—Shaft drive. With universal joint between transmission and axle.

AXLES—Front axle, double section, pressed steel, telescopic, hot riveted together. Rear axle full-floating.

WHEELS—36 inch Artillery type with 1½ inch spokes. German ball bearings.

BRAKES—Both foot and emergency brakes, internal expanding in brake drums on rear wheels.

STEERING GEAR—Worm and sector type with hardened bearings. Take up arrangement for wear and back-lash.

FRAME—Pressed steel. Channel section offset in front. 2½ inch kick-up over rear axle, allowing practically straight line drive.

WHEEL BASE—112 inches.

TIRES—36x3½ inch Diamond.

SPRINGS—Front semi-elliptic 37x¾ inches. Rear full elliptic. All spring suspensions lubricated by hard grease cups.

FENDERs—Heavy sheet steel with mud apron attached.

CONTROL—Spark and throttle levers on top of 18 inch steering wheel. Clutch and brake foot pedals. Speed lever operating in "H" quadrant. Emergency brake by hand lever. Foot accelerator. Muffler cutout.

GASOLINE CAPACITY—18 gallons.

BODY—Five passenger.

UPHOLSTERING—Best quality M. B. black leather over high grade curled hair on high grade coiled springs.

EQUIPMENT—Includes magneto, full lighting system, generator, horn and complete set of tools.



No. 211½. Code: Surround.

BODY—28 x 74 inches. Select hardwood frame; poplar panels; full length steel rocker plates. Solid foot wrought frame dash and fenders, special leather covered. Oil burning lamps. Cushions about 36 x 18 inches. Backs about 22 inches.

GEAR—Select second growth. Full wrought iron forgings, $\frac{3}{4}$ x 14 inch circle. Axles 1 $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged. Springs special grade. Track 4 feet 8 inches or 5 feet 2 inches. Pole.

WHEELS—36 and 45 inches, $\frac{3}{8}$ or 1 inch tread. Sarven patent regular; banded wood hub extra.

PAINTING—Body and seat panels black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Heavy all-wool green, blue, wine cloth, or cords. Spring cushions and backs. Nice grade carpet.

TOP—Heavy rubber, with japanned bows regular. leather quarters or full leather extra.

Approximate shipping weight, 900 pounds.

NOTE—Hung on three springs, extra.



No. 211. Code: Surprise.

BODY—28 x 74 inches. Select hardwood frame; poplar panels; full length steel rocker plates. Solid foot wrought frame dash and fenders, special leather covered. Oil burning lamps. Cushions 36 x 18 inches. Backs 22 inches.

GEAR—Select second growth. Full wrought iron forgings, $\frac{3}{4}$ x 14 in. circle. Axles 1 $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged. Springs special grade. Track 4 feet 8 inches or 5 feet 2 inches. Pole.

WHEELS—36 and 45 inches, $\frac{3}{8}$ or 1 inch tread. Sarven patent regular; banded wood hub extra.

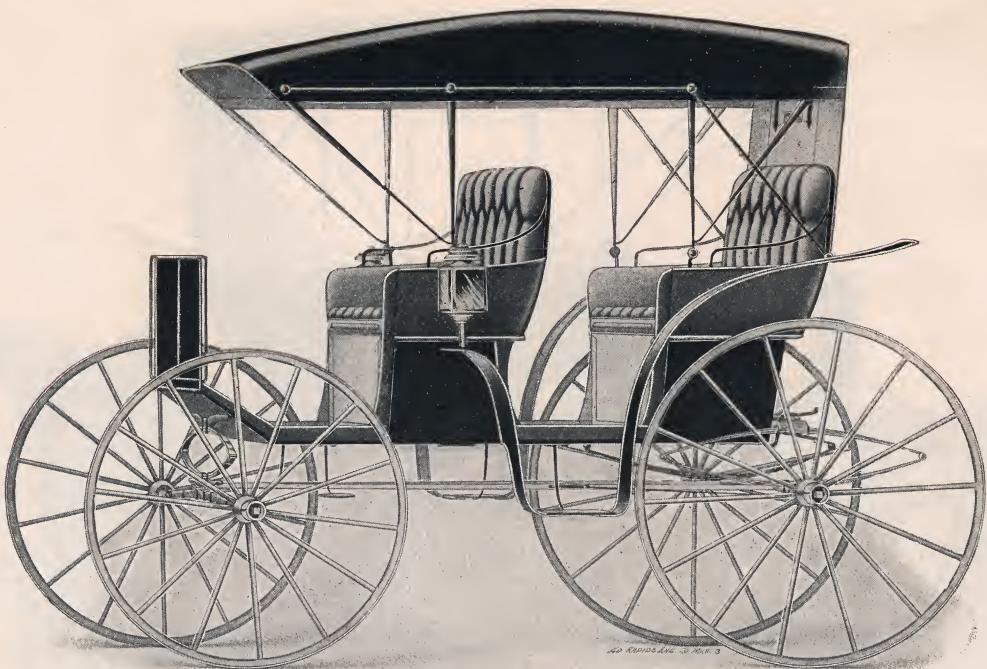
PAINTING—Body and seat panels black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Heavy all-wool green, blue, wine cloth, or cords. Spring cushions and backs. Nice grade carpet.

TOP—Lining to match trimmings. Heavy fringe. Curtains.

Approximate shipping weight, 850 pounds.

NOTE—Hung on three springs, extra.



No. 347. Jumbo Surrey. Code: Suite.

BODY—31x76 inches outside. Select hardwood frame; poplar panels; full length steel rocker plates, $1\frac{3}{4} \times \frac{1}{2}$. Solid foot wrought frame padded dash and fenders. Oil lamps. Cushions 18 x 38. Backs 23 inches.

GEAR—Select second growth. Heavy bent reaches, mortised head block and rear axle. All forgings wrought iron with full wrought steel circle $\frac{7}{8} \times 1\frac{1}{4}$ inches. Clip king bolt. Axles $1\frac{1}{2}$ Lee & Porter long distance, dust proof. Springs extra grade elliptic. Track 4-8 or 5-2. Extra heavy select hickory pole, heavily ironed and braced.

WHEELS—Sarven patent only; 38 and 42 inches or 41 and 45 inches high; 1 or $1\frac{1}{2}$ inch tread.

PAINTING—Body black and Brewster green combination. Gear Brewster green or carmine, striping to harmonize.

UPHOLSTERING—Best spring cushions and backs. Heavy all wool green, blue or wine broadcloth, cord or leather. Nice grade carpet.

TOP—Full rubber, leather quarters, or full leather. Rubber side curtains. Leather covered bows extra. Also furnished with canopy top with wool fringe and head lining to match body trimming, with full rubber side curtains.

Approximate shipping weight, 1100 pounds.



No. 367. Belgian Auto Surrey. Code: Subscribe.

BODY—28 x 73 inches. Select hardwood frame; poplar panels; solid mouldings; full length steel rocker plates. Wrought frame dash and fenders. Belgian Auto style seats, plain or divided, as specified in order. Cushions 18 x 36 inches. Backs 22 inches.

GEAR—Select hickory, wrought iron forgings. 12 in. special fifth wheel. Axles $1\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Track 4 feet 8 inches or 5 feet 2 inches. Pole. Hung on three springs extra.

WHEELS—Select hickory, Sarven patent, 38 and 42 inches, $\frac{7}{8}$ or 1 inch tread; banded wood hub extra.

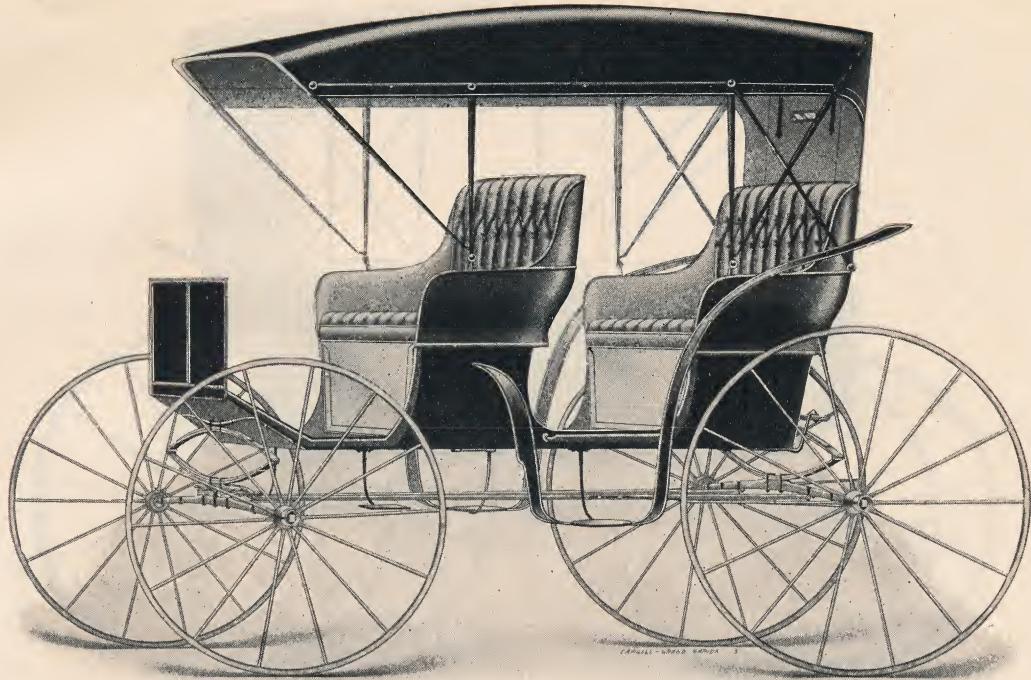
PAINTING—Body and seats black. Gear Brewster green or carmine, striping to harmonize.

UPHOLSTERING—Body lining heavy union green, blue or wine broadcloth or cord. Spring cushions and backs. Nice grade carpet.

TOP—Auto design, unlined; imitation Automobile leather. Inside color to match trimming. Japanned bows, curved; brass nuts, knobs and front moulding, regular. Also furnished in full rubber, leather quarters or full leather. Auto design, but regular head lining and black furnishings. See price list.

Approximate shipping weight, 800 pounds.

NOTE—Also furnished with regular canopy, or one or two standard umbrellas. Price on application.



No. 271. Auto Surrey. Code: Sturdy.

BODY—28 x 73 inches. Select hardwood frame; poplar panels; full length steel rocker plates. Wrought frame dash and fenders, extra grade leather covered. Cushions 18 x 36 inches. Backs 22 inches high.

GEAR—Select second growth. Wrought iron forgings; 12 inch special fifth wheel. Axles 1½ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Special grade elliptic springs. Track 4 feet 8 inches or 5 feet 2 inches. Pole, hung on three springs, extra.

WHEELS—Select hickory, Sarven patent, 38 and 42 inches; ½ or 1 inch tread. Banded wood hub extra.

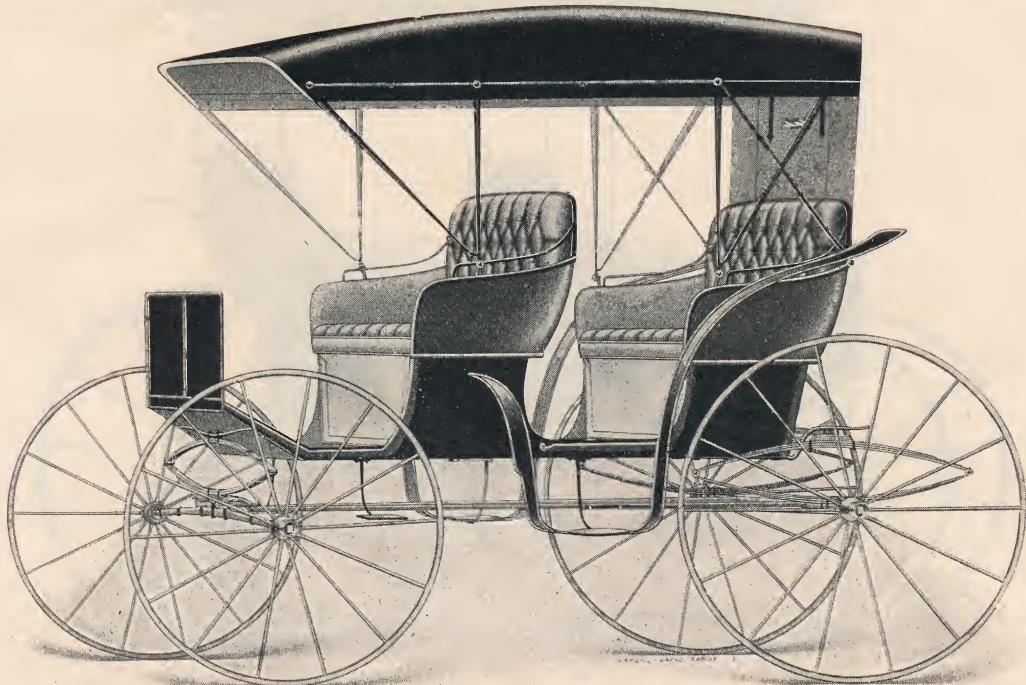
PAINTING—Body and seats black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Heavy union green, blue or wine broadcloth, or cord. Spring cushions and backs. Nice grade carpet.

TOP—Auto design, unlined; imitation Automobile leather. Inside color to match trimming, japanned bows curved; brass nuts, knobs and front moulding, regular. Also furnished in full rubber, leather quarters or full leather. Auto design, but regular head lining and black furnishings. (See price list.)

Approximate shipping weight, 800 pounds.

NOTE—Also furnished with regular canopy, or one or two standard umbrellas. Price on application.



No. 368. Surrey. Code: Stygian.

BODY—28 x 73 inches. Select hardwood frame; poplar panels; full length steel rocker plates. Wrought frame dash and fenders, extra grade leather covering. Cushions 18 x 36 inches. Backs 22 inches high.

GEAR—Select second growth. Wrought iron forgings; 12 inch special circle. Axles 1½ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Special high grade three elliptic springs. Track 4 feet 8 inches or 5 feet 2 inches. Pole.

WHEELS—Select hickory, Sarven patent, 38 and 42 inches; ½ or 1 inch tread. Banded wood hub extra.

PAINTING—Body and seats black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Heavy union green, blue or wine broadcloth, or cord. Spring cushions and backs. Nice grade carpet.

TOP—Full rubber with japanned bows, regular. Leather quarters or full leather extra. Rubber curtains.

Approximate shipping weight, 850 pounds.



No. 272. Code: Swing.

BODY—28 x 73 inches. Select hardwood frame; poplar panels; full length steel rocker plates. Wrought frame dash and fenders, extra grade leather covering. Cushions 36 x 18. Backs 22 inches high.
GEAR—Select second growth. Wrought iron forgings, 12 inch special circle. Axles, arch or drop, 1½ inch Lee & Porter long distance, dust proof, swaged. Special grade springs. Track regular 4 feet 8 inches or 5 feet 2 inches. Shafts.
WHEELS—Select hickory; Sarven patent; 38 and 42 inches high; ½ or 1 inch tread.

PAINTING—Body and seats black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Heavy union green, blue or wine broadcloth, or cord. Spring cushions and backs. Nice grade carpet.

TOP—Full rubber, with japanned bows regular; leather quarter, or full leather, with japanned bows and rubber curtains.

Approximate shipping weight, 850 pounds.

NOTE—Hung on three springs, extra.



No. 270. Code: Sun.

BODY—28 x 73 inches. Select hardwood frame; poplar panels; full length steel rocker plates. Wrought frame dash and fenders, extra grade leather covering. Cushions 36 x 18 inches. Back 22 inches high.
GEAR—Select second growth. Wrought iron forgings, 12 inch special circle. Axles, arch or drop, 1½ inch Lee & Porter long distance, dust proof, swaged. Special grade springs. Track regular 4 feet 8 inches or 5 feet 2 inches. Shafts.
WHEELS—Select hickory; Sarven patent; 38 and 42 inches high; ½ or 1 inch tread.

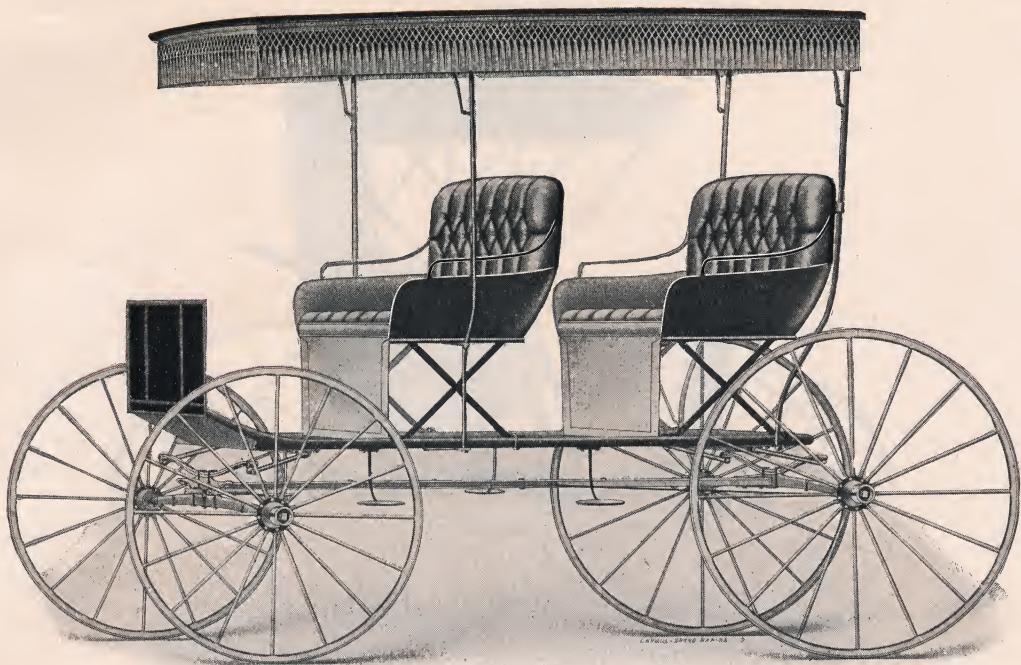
PAINTING—Body and seats black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Heavy union green, blue or wine broadcloth, or cord. Spring cushions and backs. Nice grade carpet.

TOP—Heavy fringe; head lining to match body upholstering. Curtains.

Approximate shipping weight, 800 pounds.

NOTE—Hung on three springs, extra.



No. 365. Slat Bottom Surrey. Code: Stub.

BODY—27 x 76 inches. Select second growth side bars with $1\frac{1}{4} \times \frac{1}{8}$ inch steel plates recessed the entire length of the bars, thoroughly preventing the body from settling or breaking. Slat bottom with steel cross bars bolted and clipped to side bars and slats. Wrought frame dash, extra grade leather covered, braced. Cushions 17 x 32 inches. Backs 21 inches high. Rear seat removable.

GEAR—Select second growth; extra heavy full circle and rear perch connections. Wrought iron forgings, extra heavy. Axles $1\frac{1}{8}$ inch Lee & Porter long distance, dust proof, swaged. Springs oil tempered, half elliptic and tortion. Track 4 feet 8 inches or 5 feet 2 inches. Pole. Brake extra.

WHEELS—Select hickory, Sarven patent, 38 and 42 inches or 41 and 45 inches; $1\frac{1}{8}$ inch round edge steel tire. Riveted rims extra.

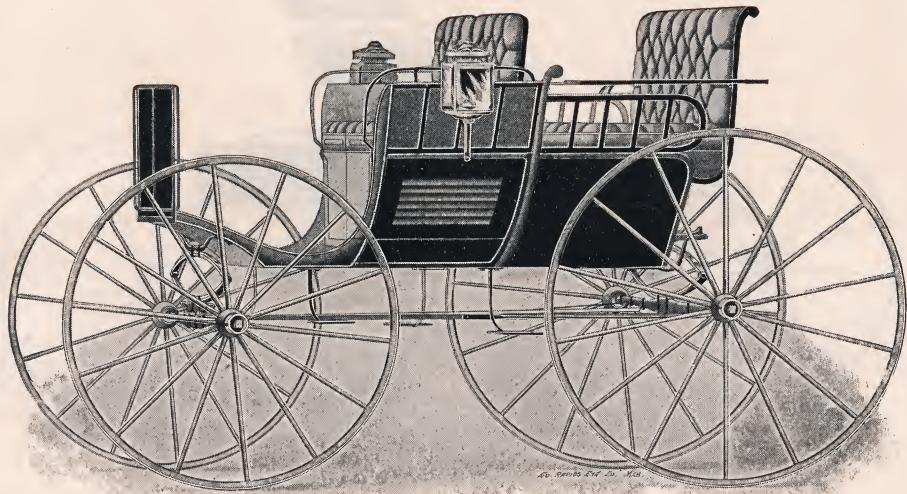
PAINTING—Body and seats black. Gear carmine or green, striping to harmonize.

UPHOLSTERING—Imitation leather regular. Leather or cloth extra. Spring cushions and backs.

TOP—Head lining to match body upholstery, heavy fringe, full curtains.

Approximate shipping weight, 700 pounds.

NOTE—This vehicle is especially designed to stand hard usage in rough, mountainous country. The steel plates on the side bars is a feature that does not want to be overlooked by the customer; also the extra heavy front plate on the top of the side bars through which the step bolts pass, securing a very large step thoroughly fastened to the body. The special designed full circle is another strong point in this job, made especially for us. The canopy top standard irons are securely fastened to the steel bars with sockets on the bottom of the body and extra braces from the seats preventing any racking or rattling.



No. 184. Code: Pagent.

BODY—Select hardwood frame; poplar panels; steel rocker plates. Solid foot wrought frame dash, extra leather covered. Wood fenders. Oil burning lamps. Rear seat about 33 x 17 inches. Back about 20 inches. Front seat is divided in the center, and opens forward, giving access to rear seat from either side. Back seat folds down, when not in use, forming dust proof deck in the rear.

GEAR—Select second growth. All forgings wrought iron. 12 inch wrought circle. Bradley shackles. Axles, arch, $1\frac{1}{8}$ inch Lee & Porter long distance, dust proof, swaged, nickel nuts. Springs special grade, open head. Track 4 feet 8 inches or 5 feet 2 inches. Shafts regular.

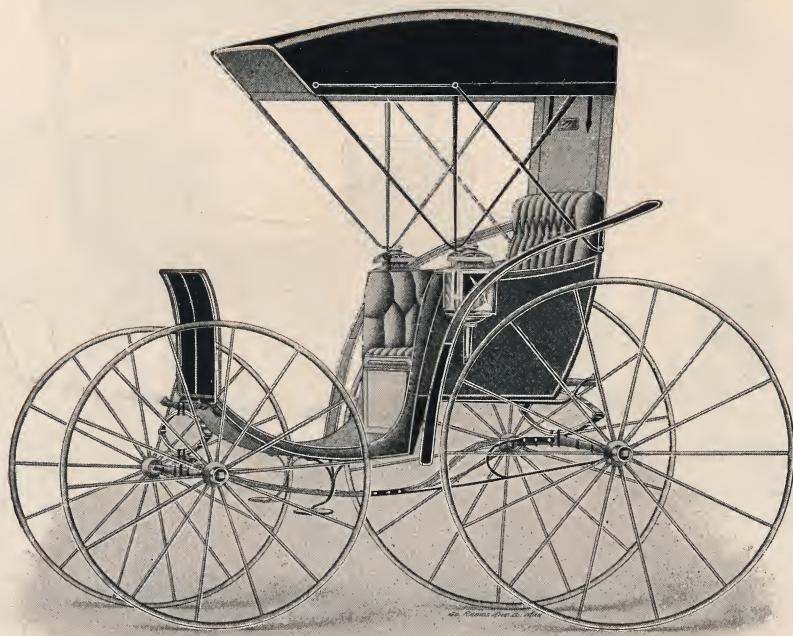
WHEELS—Best grade banded wood hub regular, or Sarven patent; 41 and 45 inches, $\frac{3}{8}$ or 1 inch tread.

PAINTING—Body black, shutter work color to correspond with gear. Gear Brewster green or carmine, striping to harmonize.

UPHOLSTERING—Heavy all-wool green, blue or wine broadcloth, or latest style cords. Nice velvet carpet.

TOP—This style can be equipped with regular canopy or umbrella.

Approximate shipping weight, 650 pounds.



No. 196. Code: Phrensy.

BODY—Select hardwood frame; poplar panels; steel rocker plates. Solid foot wrought frame dash and fenders, extra grade leather covered. Oil burning lamps. Cushion 34 x 18 inches. Back 23 inches.

GEAR—Select second growth. All forgings wrought iron. 12 inch wrought circle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged. Springs special grade. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

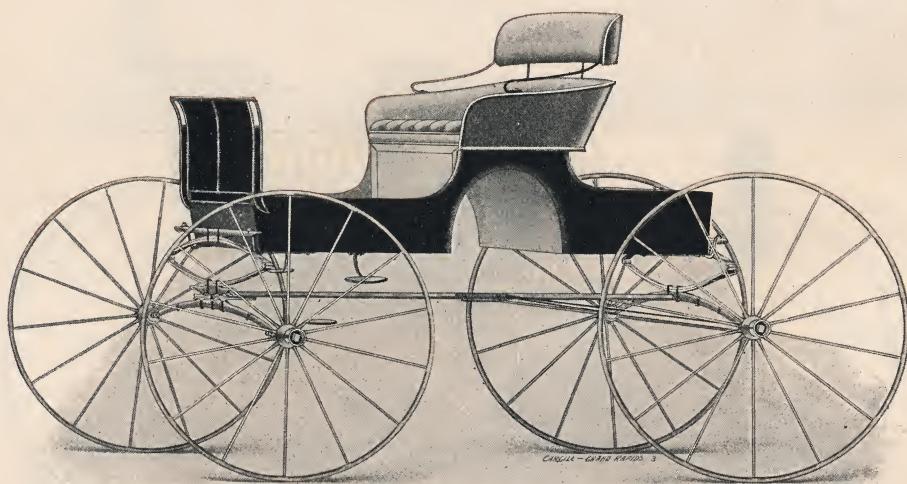
WHEELS—Selected hickory banded wood hub regular, or Sarven patent; 40 and 46 inches; $\frac{7}{8}$ or 1 inch tread.

PAINTING—Body panels black. Gear Brewster green, black or carmine, striping to harmonize.

UPHOLSTERING—All wool, green, blue or wine broadcloth, or latest pattern cord. Special carpet.

TOP—Leather quarter or full leather, with japanned bows and rubber side curtains. Linings to match trimmings.

Approximate shipping weight, 575 pounds.



No. 354. Code: Pamper.

BODY—24 x 56 inches. Select hardwood frame; full length steel rocker plates; poplar panels; wrought frame dash, extra grade leather covered. Round panel seat. Cushion 17 x 30 inches, also fitted with No. 48, No. 199 or any other runabout seat.

GEAR—Select second growth. Wrought iron forgings. 12 inch solid wrought Brewster fifth wheel. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof. Springs special grade, very easy riding. Track 4 feet 8 inches only.

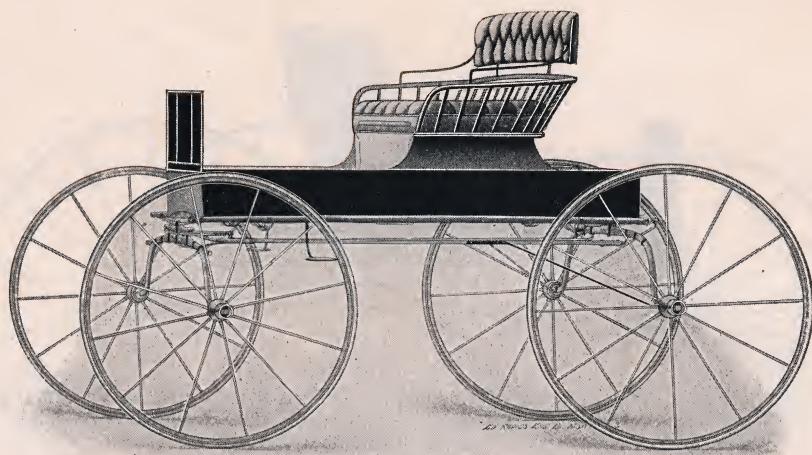
WHEELS—36 and 38 inches, Sarven patent. Banded wood hub extra; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread. Solid rubber or cushion tire extra.

PAINTING—BODY and seat black. Gear Brewster green or carmine.

UPHOLSTERING—Full spring cushion; all wool green, blue or maroon broadcloth. Option latest cord. Nice grade carpet.

Approximate shipping weight, 475 pounds.

NOTE—THIS STYLE BODY CANNOT BE USED WITH 4-4 TRACK.



No. 273. Caffrey Wagon. Code: Ogle.

BODY—24 x 54 inches, with front circle arch; panels 6½ inches; frame select white ash; poplar panels, clamped, see illustration page 57; one-half elliptic spindle seat; wrought steel mountings; wrought frame; solid foot, padded dash, extra grade leather covered. Cushion 18 x 30.

GEAR—Select second growth hickory. Axles light pattern capped Lee & Porter long distance; all wrought forgings; rear braces forged with clips; side bars and shafts, second growth hickory. Hand sewed harness leather trimmed. Shafts. 4 foot track only.

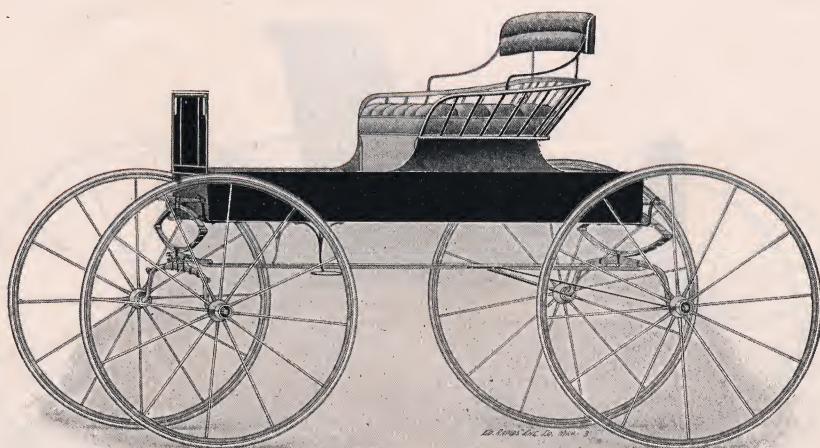
WHEELS—Light pattern, banded wood hub, 32 and 34 inches; ¾ inch tread; 1½ cushion tire.

PAINTING—Best lead and oil process. Body black, finished inside. Gear green, blue, chatmuc lake or carmine, striped to harmonize.

UPHOLSTERING—18 ounce wool dyed green, blue or maroon English broadcloth; best curled hair, hand sewed cushion. Double weight velvet carpet.

Also furnished with full leather top, see price list. Approximate shipping weight, 400 pounds.

273½. Code: Truth.



No. 329. The New Yorker. Code: Ornate.

BODY—24 x 56 inches, with front circle arch; panels 6½ inches; frame selected white ash; poplar panels, clamped on (see illustration on page 57). Seat one-half elliptic spindles, steel mountings, very light. Cushion 18 x 30.

GEAR—Selected second growth hickory. Axles Lee & Porter long distance, latest design in square arch, recessed, with cemented hickory caps; special hand forged wrought steel braces; special stop circle; springs oil tempered, open head, rubber, with brass bearing; very easy action. Rubber pad step. 4 foot track only.

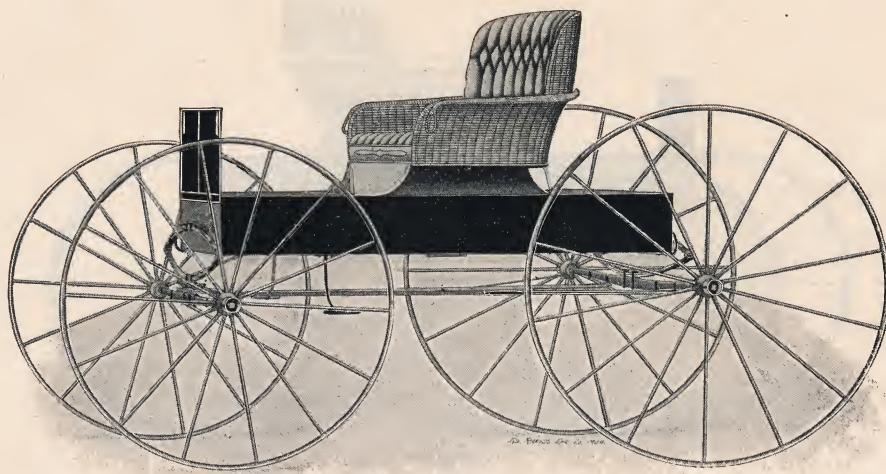
SHAFTS—Hand sewed harness leather trimmings.

WHEELS—Selected white hickory, banded wood hub, 32 and 34 inches; 1½ cushion tires, extra grade.

PAINTING—Best lead and oil process. Body black, finished inside. Gear blue, green, carmine or Chatmuc lake, striped to harmonize.

UPHOLSTERING—18 ounce wool dyed green, blue or wine English broadcloth; best curled hair, hand sewed cushions. Double weight velvet carpet. Dash, wrought iron solid feet and lip, grain leather covering. Highest grade material used in the entire construction of this vehicle.

Also furnished with full leather top, see price list. Approximate shipping weight, 400 pounds.



No. 46. Code: Oasis.

BODY—22 x 56, select hardwood frame; poplar panels. Solid foot wrought frame dash extra leather covered. Hand forged seat and fenders, covered with best grade German rafftan. Cushion about 17 x 30. Back 21 inches.

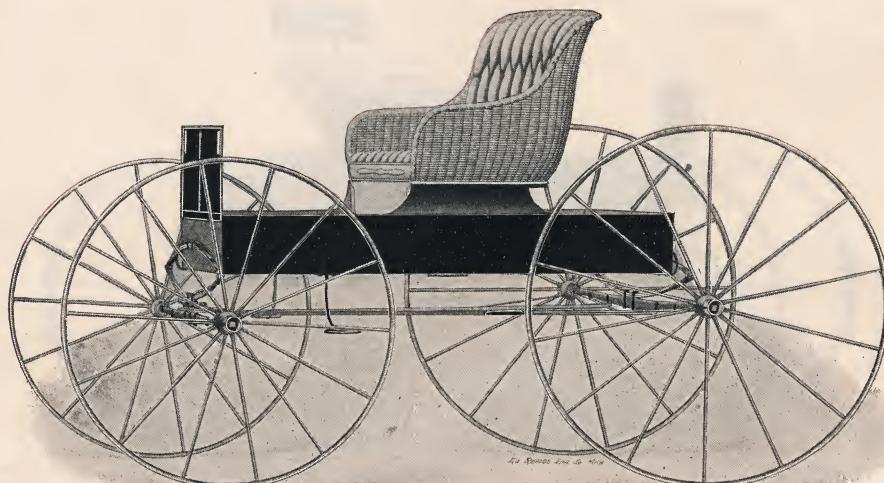
GEAR—Best second growth throughout; all forgings best Norway iron. Bradley shackles. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged; nickel axle nuts. 12 inch Brewster solid fifth wheel. Rubber pad steps. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Best grade banded wood hub, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread. Option 44 and 48 inches. Option Sarven patent.

PAINTING—Body panels deep black; elegant finish inside and out. Seat varnished in natural color. Gear carmine regular. Option green, black or blue gear, striping to harmonize.

UPHOLSTERING—Heavy all wool green or blue broad-cloth or latest cord. Velvet carpet.

Approximate shipping weight, 450 pounds.



No. 47 Code: Oakum

BODY—22 x 56 inches, select hardwood frame; poplar panels; solid foot wrought frame padded dash, extra grade leather. Best German reed seat. Cushion about 30 x 17 inches. Back about 22 inches.

GEAR—Select second growth throughout; all forgings Norway iron. Bradley shackles. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged; nickel axle nuts. 12 inch Brewster solid fifth wheel. Rubber pad steps. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

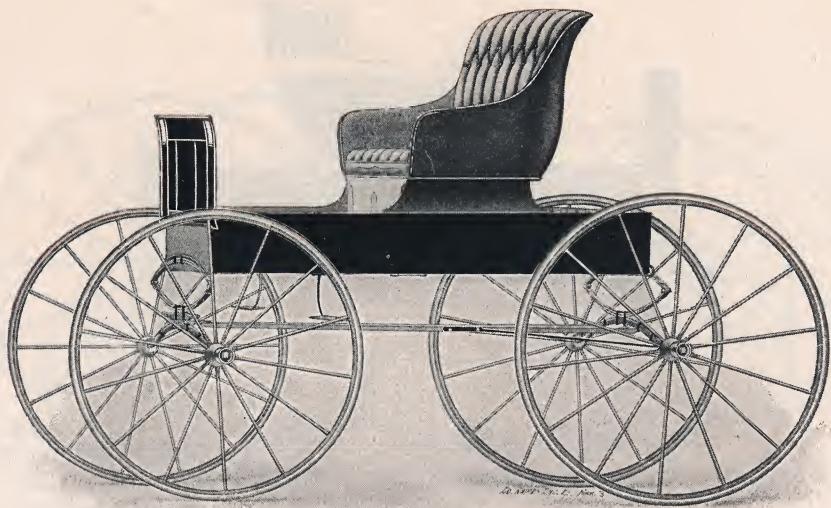
WHEELS—Banded wood hub or Sarven patent, 41 and 45 inches; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread, or 44 and 48 inches.

PAINTING—Body panels deep black, elegant finish inside and out. Seat varnished in natural color. Gear carmine, green, black, blue or lake, striping to correspond.

UPHOLSTERING—Heavy all wool green, blue or wine broad-cloth, or latest cord. Velvet carpet.

Approximate shipping weight, 450 pounds.

MICHIGAN BUGGY COMPANY



No. 326. Code: Outdo.

BODY—22 x 56, select hardwood frame; poplar panels. Solid foot wrought frame, curved wing dash, special leather covered. Belgian design seat, oxidized handles extra. Cushions about 17 x 31. Back about 21 inches.

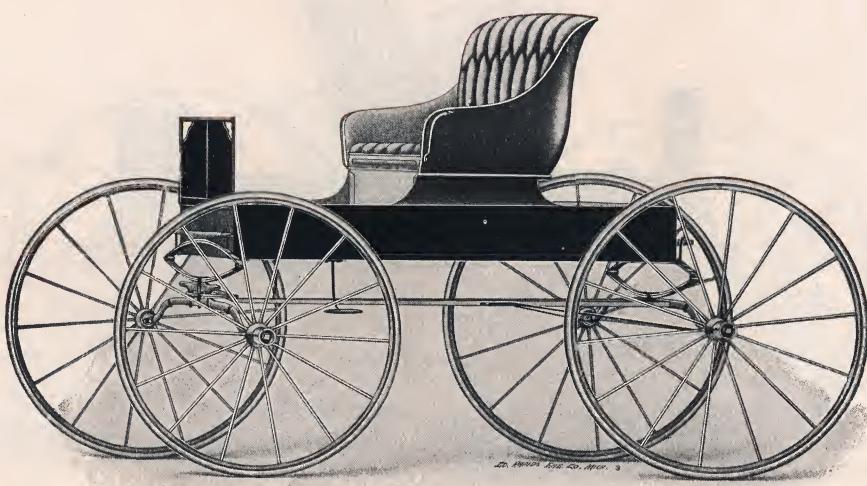
GEAR—Roman arch axles, Lee & Porter long distance, dust proof; full length bent hickory caps, set in cement and thoroughly clinched. Selected hickory gear. 12 inch Brewster solid wrought fifth wheel. Bradley shackles. Springs open head, extra grade. Rubber pad steps. Track 4 feet 8 inches. Shafts.

WHEELS—36 and 38 inch banded wood hub or Sarven patent, $\frac{3}{4}$ inch tread; steel, solid rubber or cushion tire.

PAINTING—Panels brilliant black. Gear Brewster green, blue, Chatimue lake or carmine, striped to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green, blue or maroon cloth or latest pattern in cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 325. Code: Oscilate.

BODY—22 x 56 inches, select hardwood frame; poplar panels. Belgian design seat; oxidized handles extra. Leather padded dash. Cushions about 17 x 31 inches. Back 21 inches.

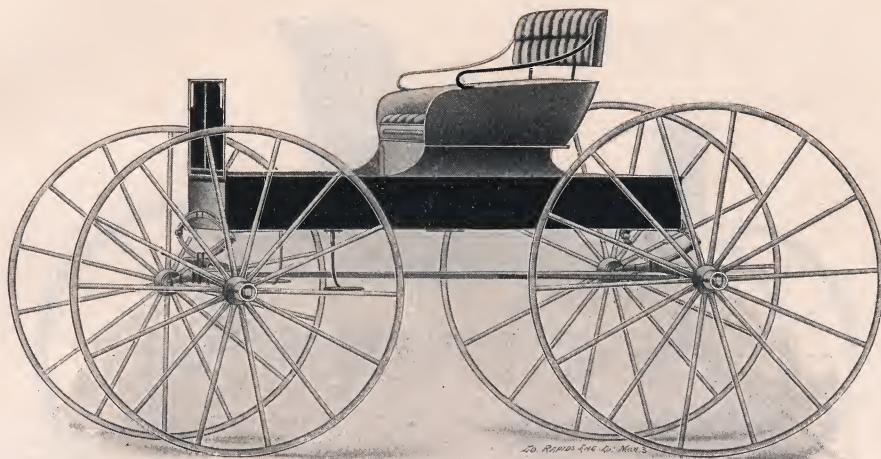
GEAR—Select second growth hickory. Axles Lee & Porter long distance, dust proof. Latest design square arch, long recess, hickory beds cemented. 12 inch solid wrought Brewster circle. Oil tempered open head springs. Rubber pad steps. Track 4 feet 8 inches or 4 feet 4 inches. Shafts.

WHEELS—36 and 38 select hickory banded wood hub or Sarven patent; $\frac{3}{4}$ inch tread; steel, solid rubber or cushion tire.

PAINTING—Body and seat panels deep black. Gear carmine, black, lake or green, striped to harmonize.

UPHOLSTERING—Full spring cushion, all wool green, blue or maroon cloth, or latest cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 204. Code: Occupy.

BODY—22 x 56, select hardwood frame; poplar panels. Solid foot wrought frame padded dash, extra grade leather covered. Cushion about 17 x 30 inches.

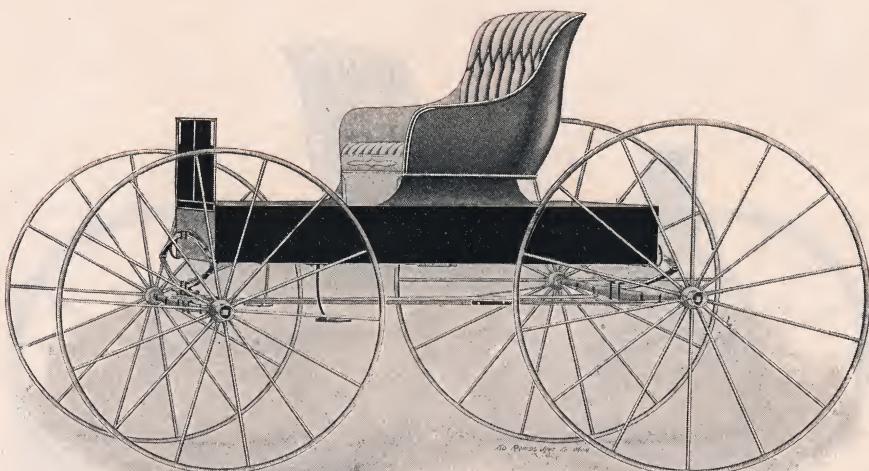
GEAR—Select second growth; all forgings Norway iron. Bradley shackles. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged; nickel axle nuts. 12 inch Brewster solid wrought fifth wheel and reach connections. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Best grade banded wood hub, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 44 and 48 inches. Option Sarven patent, 41 and 45 inches high.

PAINTING—Body and seat panels deep black; elegant finish inside and out. Gear carmine, green, black, lake or blue, striping to correspond.

UPHOLSTERING—Body lining heavy all wool green, wine or blue broadcloth or latest cord. Velvet carpet.

Approximate shipping weight, 450 pounds.



No. 48. Code: Obedient.

BODY—22 x 56, best hardwood frame; poplar panels. Belgian design seat; oxidized handles extra. Solid foot wrought frame dash, special leather covered. Cushion about 31 x 17 inches. Back 21 inches.

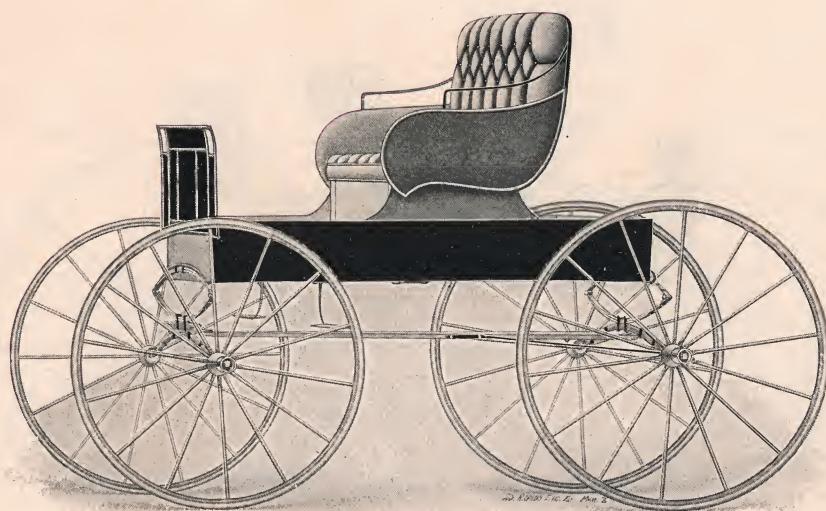
GEAR—Select second growth, 12 inch circle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged; beds cemented and clipped; nickel nuts. Bradley shackles. Open head elliptic springs. Rubber pad steps. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Selected hickory, banded wood hub, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option Sarven patent.

PAINTING—Body deep black, highly polished finish. Gear green regular, carmine glazed striping. Option carmine or black gear, striping to correspond.

UPHOLSTERING—All wool green cloth regular. Option blue cloth or whipecord. Velvet carpet to match.

Approximate shipping weight, 450 pounds.



No. 323. Code: Organ.

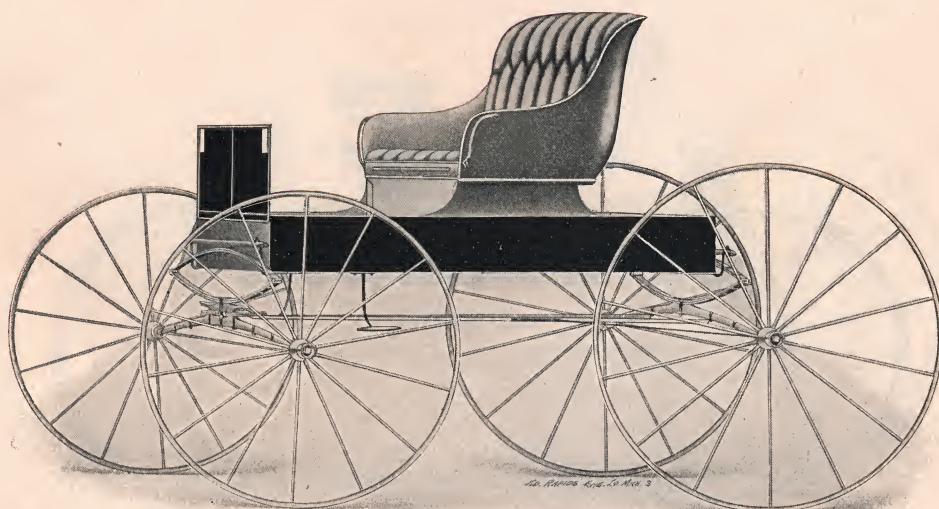
BODY—22 x 56, select hardwood frame; poplar panels. Solid foot wrought frame, padded dash; phaeton seat. Cushions about 17 x 30 inches. Back 21 inches. **GEAR**—Roman arch axles, Lee & Porter long distance, dust proof; full length bent hickory caps, set in cement and thoroughly clipped. Selected hickory reaches. 12 inch Brewster solid wrought fifth wheel and reach connections. Bradley shackles. Springs open head, extra grade. Rubber pad steps. Track 4 feet 8 inches. Shafts.

WHEELS—36 and 38 inch banded wood hub or Sarven patent; $\frac{3}{4}$ inch tread; steel, solid rubber or cushion tires.

PAINTING—Panels brilliant black. Gear Brewster green, blue, Chatimue lake or carmine, striped to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green, blue or maroon cloth or latest pattern in cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 348. Code: Orb.

BODY—22 x 56 inches, select hardwood frame; poplar panels. Solid foot wrought frame dash, special leather covered. Belgian design seat; oxidized handles extra. Cushion about 17 x 31. Back 21 inches.

GEAR—High arch, select hickory, bent axle caps, cemented. Wrought iron headblock plate and reach connections. 12 inch solid Brewster circle. Brewster saddle and oval axle clips. Axles $\frac{1}{2}$ Lee & Porter

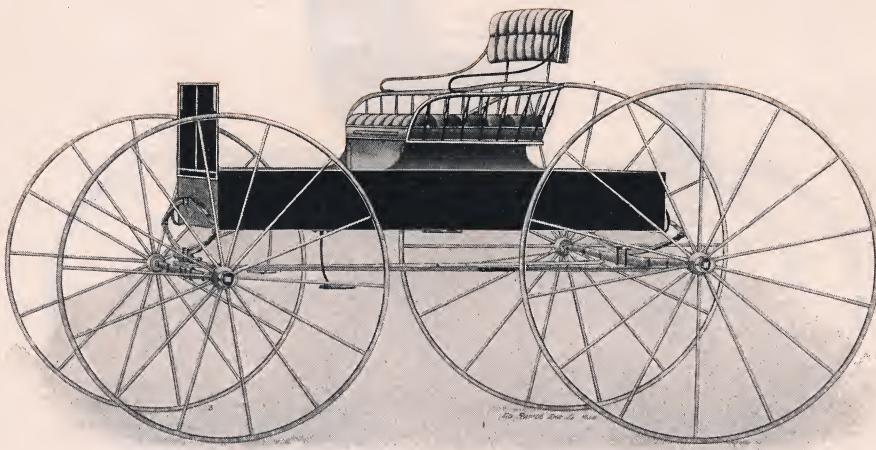
long distance, swaged. Special oil tempered open head springs. Wood bar bolted. Rubber pad steps. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Best banded wood hub, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option Sarven patent.

PAINTING—Body and seat black. Gear carmine or maroon, striping to harmonize.

UPHOLSTERING—All wool green or blue broadcloth, or cord. Velvet carpet to match.

Approximate shipping weight, 450 pounds.



No. 300. Code: Opera.

BODY—22 x 56, select hardwood frame; poplar panels. Solid foot wrought frame dash, special leather covered. Cushion about 17 x 30 inches.

GEAR—Second growth. 12 inch circle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged; nickel nuts. Bradley shackles. Open head elliptic springs. Rubber padded steps. Track 4 feet 8 inches, 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, banded wood hub or Sarven patent, 41 and 45 inches; $\frac{3}{4}$ inch tread, or 38 and 42 inches. Option $\frac{1}{2}$ inch tread. Steel tire or rubber.

PAINTING—Body and seat deep brilliant black; elegant finish inside and out. Gear carmine, green, black, blue or lake, with striping to correspond.

UPHOLSTERING—All wool green, blue or wine cloth, or cord. Velvet carpet to match. Approximate shipping weight, 450 pounds.



No. 342. Code: Ode.

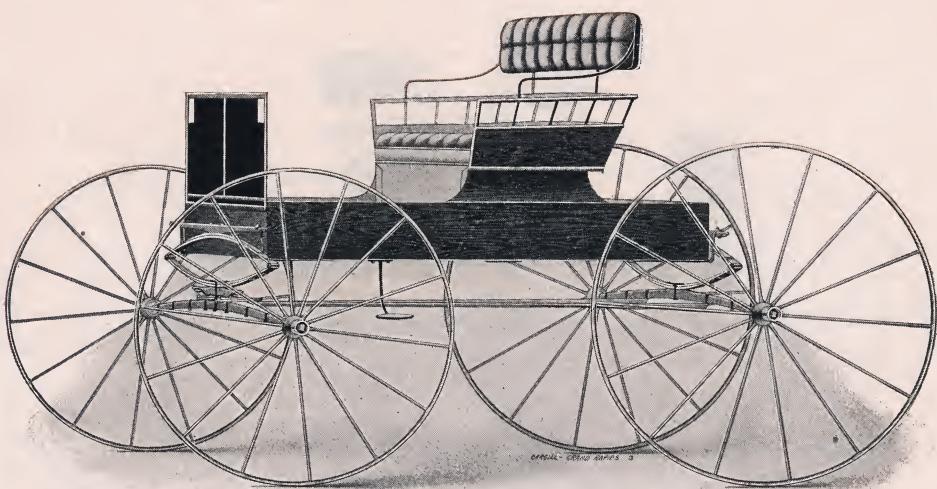
BODY—22 x 56 inches, select hardwood frame; poplar panels. Solid foot dash, padded, extra grade leather covered. Seat bent panel. Cushions about 17 x 30 inches. Back 21 inches.

GEAR—Select second growth hickory. Full wrought forgings. 12 inch solid wrought Brewster fifth wheel and reach connections. Axles Lee & Porter long distance, dust proof. Latest design square arch, on recessed beds, cemented. Springs oil tempered open head. Rubber pad steps. Shafts. Bradley shackles. Track 4 feet 8 inches or 4 feet 4 inches.

WHEELS—Best grade banded wood hub or Sarven patent; $\frac{3}{4}$ inch tread; 36 and 38 inches high. Steel tire regular, quoted with solid rubber or cushion tires. See price list.

PAINTING—Body and seat panels deep black; elegant finish inside and out. Gear carmine, green, black, blue or lake, striping to harmonize.

UPHOLSTERING—All wool green, blue or wine broad-cloth, or latest cord. Velvet carpet. Approximate shipping weight, 450 pounds.



No. 363. Code: Oxlip.

BODY—24 x 56, select hardwood. Seat hardwood; double rails framed with mortised spindles. Forged steel mountings. Cushion about 17 x 32. Leather dash.

GEAR—Select hickory, 12 inch circle. Axles $\frac{1}{2}$ inch, Lee & Porter long distance, dust proof, new arch. Caps cemented and very nicely clipped. Springs special elliptic, very easy riding. Track 4 feet 8 inches regular. Option 5 feet 2 inches or 4 feet 4 inches. Shafts.

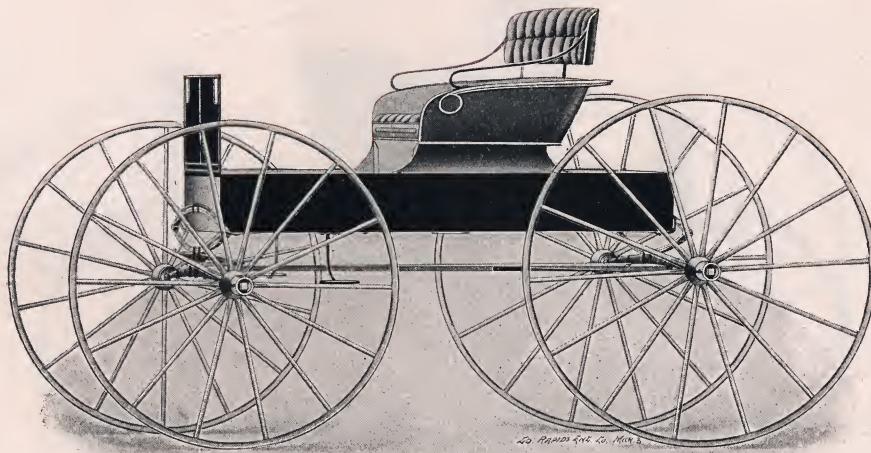
WHEELS—Sarven patent, 41 and 45 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Banded wood hubs extra.

PAINTING—Body and seat natural grain finish inside and out. Irons black. Gear natural grain finish, irons black regular, or white with gold stripe extra.

UPHOLSTERING—Latest cord with full spring cushion regular. Other cloths or leather when specified. Full length carpet.

Approximate shipping weight, 450 pounds.

This style painted in the regular colors when specified.



No. 213 $\frac{1}{2}$. Code: Octagon.

BODY—22 x 56, select hardwood frame; poplar panels. Solid foot wrought frame dash and fenders, special leather covered. Rubber covered steps. Bent round panel seat. Cushions about 17 x 30.

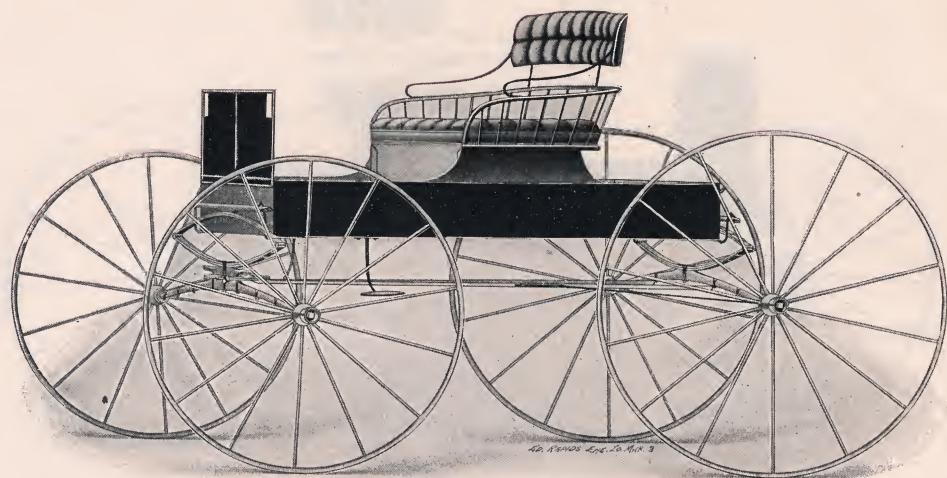
GEAR—Select second growth, 12 inch circle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged; cemented and clipped; nickel nuts. Bradley shackles. Open head elliptic springs. Rubber pad steps. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory banded wood hub regular, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option Sarven patent.

PAINTING—Body and seat black. Gear carmine or green, striping to correspond.

UPHOLSTERING—All wool green cloth regular. Option blue cloth or whalecord. Velvet carpet to match.

Approximate shipping weight, 450 pounds.



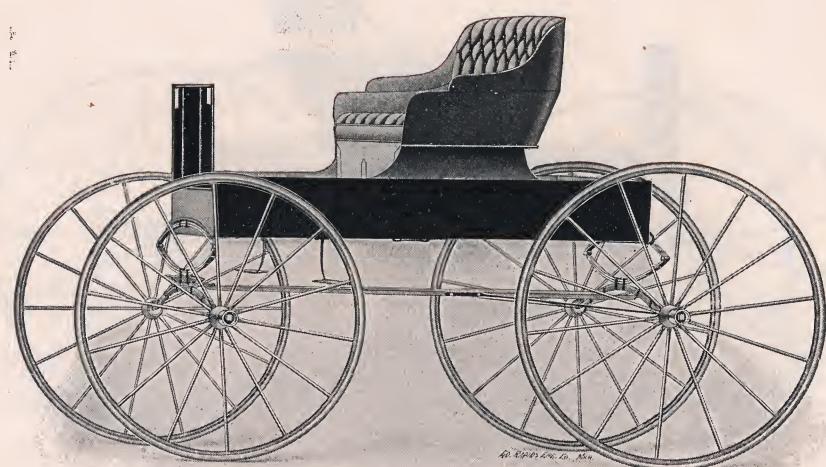
No. 349. Code: Oracle.

BODY—22 x 56 inches, select hardwood frame; poplar panels; solid wrought frame dash, special leather covered. Cushion about 17 x 30.
GEAR—High arch, select hickory, bent axle caps, cemented. Wrought iron headblock plate and reach connections. 12 inch solid Brewster circle, Brewster saddle and oval axle clips. Axles $\frac{1}{2}$ Lee & Porter long distance swaged. Special oil tempered open head springs. Wood bar bolted. Rubber padded steps. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, banded wood hub or Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches. Steel tire regular; rubber extra.

PAINTING—Body and seat black, finished inside and out. Gear carmine, black, blue or lake, striped to harmonize.

UPHOLSTERING—All wool green broadcloth or cord. Velvet carpet to match.
 Approximate shipping weight, 450 pounds.



No. 276. Code: Onward.

BODY—22 x 56, select hardwood frame; poplar panels. Padded leather dash. Auto seat; oxidized handles extra. Cushion about 17 x 31 inches. Back 21 inches.
GEAR—Roman arch. Axles Lee & Porter long distance, dust proof. Full length bent hickory caps, cemented and thoroughly clinched. Select hickory reaches. 12 in. Brewster solid wrought fifth wheel and reach connections. Bradley shackles. Extra grade open head springs. Rubber pad steps. Track 4 feet 8 inches. Shafts high bend.

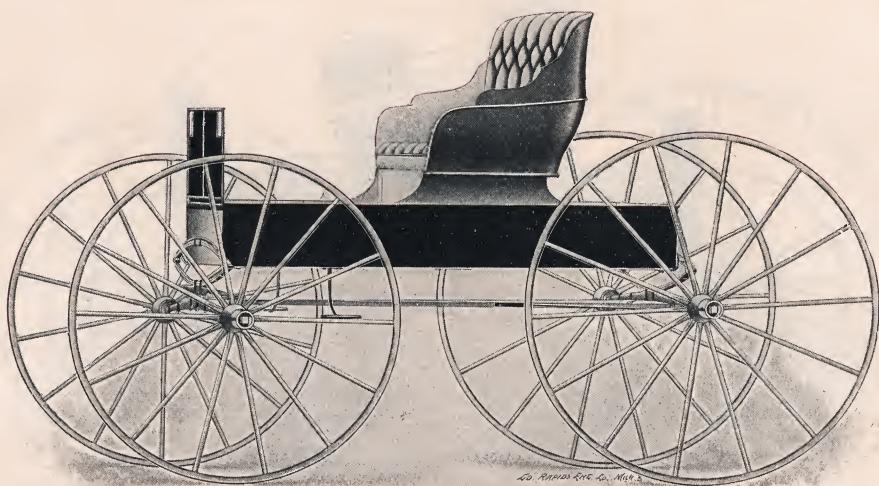
WHEELS—36 and 38 inches; $\frac{3}{4}$ tread, banded wood hub or Sarven patent, steel tire regular, solid rubber or cushion tire.

PAINTING—Body and seat panels deep black. Gear carmine, black, lake or green, striping to harmonize.

UPHOLSTERING—Spring cushion and back, heavy all wool green cloth or cord. Leather extra. Nice grade carpet.

Approximate shipping weight, 450 pounds.

MICHIGAN BUGGY COMPANY



No. 236. Code: Omega.

BODY—22 x 56 inches, select hardwood frame; poplar panels; padded leather dash. Auto seat; oxidized handles extra. Cushion 17 x 31. Back 21 inches.

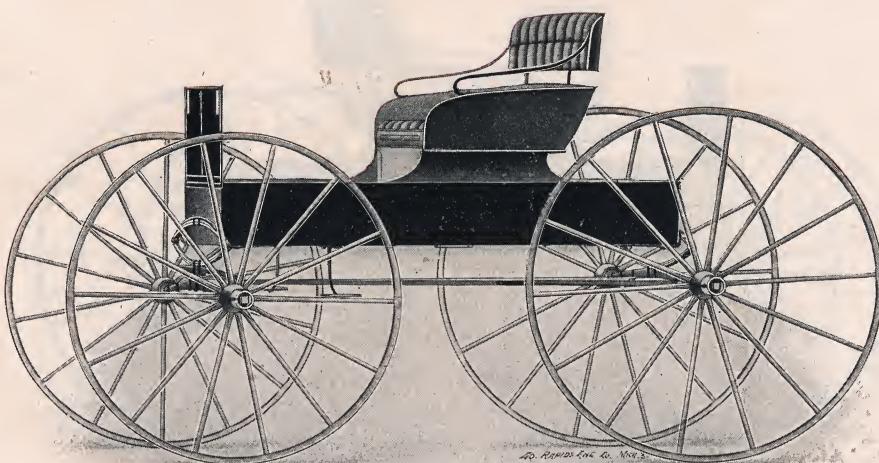
GEAR—Select second growth. 12 inch circle. Axles $\frac{1}{8}$ inch Lee & Porter long distance, arch or drop, swaged. Springs special grade. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—41 and 45 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread; Sarven patent; banded wood hub extra.

PAINTING—Body and seat panels deep black. Gear carmine, blue, Chatimue lake or green, striped to harmonize.

UPHOLSTERING—Full spring cushion; all wool green, blue or maroon cloth, or latest design in cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 321. Code: Orbit.

BODY—22 x 56 inches, select hardwood frame; poplar panels; bent round panel seat. Cushion 17 x 30 inches. Padded leather dash.

GEAR—Select second growth. 12 inch circle. Axles $\frac{1}{8}$ inch Lee & Porter long distance, full arch or drop, swaged. Springs special grade. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts.

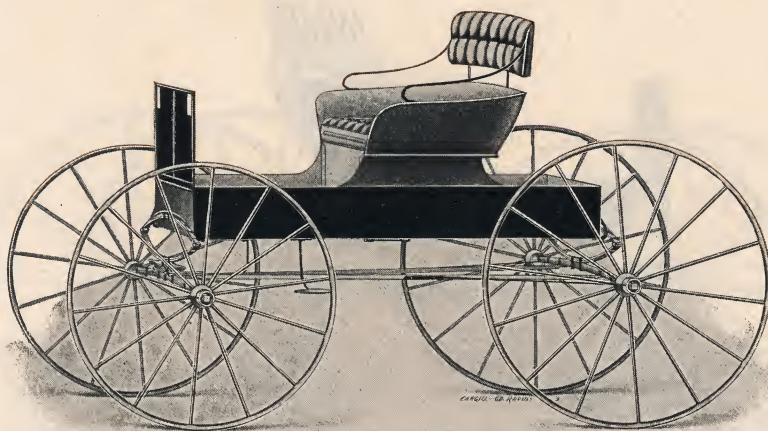
WHEELS—41 and 45 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread; Sarven patent; banded wood hub extra.

PAINTING—Body and seat panels deep black. Gear carmine or green, striped to harmonize.

UPHOLSTERING—Full spring cushion; all wool green, blue or maroon cloth, or latest design in cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.

MICHIGAN BUGGY COMPANY



No. 140. Mustang Pony Wagon. Code: Abroad.

BODY—Select hardwood frame; poplar panels; bent round panel seat. Cushion about 17 x 30. Padded leather dash.

GEAR—Second growth. 12 inch fifth wheel, with king bolt back of axle. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Special grade elliptic springs, bolted or clipped. Bailey hangers or wood bar. Track 4 feet 8 inches or 4 feet 4 inches. Shafts regular.

WHEELS—Select hickory, Sarven patent, 36 and 40 inches high, $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high.

PAINTING—Body and seat black. Gear Brewster green regular, striping to harmonize.

UPHOLSTERING—All wool green cloth. Carpet to match.

Approximate shipping weight, 400 pounds.



No. 182. Code: Obtain.

BODY—22 x 56, select hardwood frame; poplar panels; furnished with either plain or ironed corners; padded leather dash; bent round panel seat extra; jockey fenders extra. Cushion about 17 x 30 inches.

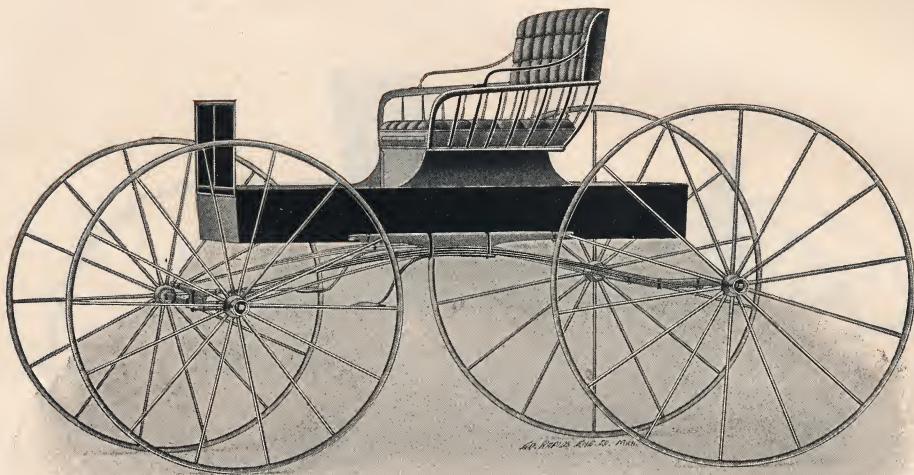
GEAR—Second growth. 12 inch circle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged, arch or drop; caps cemented and extra clipped. Springs special grade. Track regular 4 feet 8 inches. Option 5 feet 2 inches or 4 feet 4 inches. Shafts.

WHEELS—Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Banded wood hubs extra.

PAINTING—Body and seat panels deep black. Gear carmine regular with black striping. Option green or black gear, striped to harmonize.

UPHOLSTERING—Full spring cushion. Body lining all wool green or blue cloth. Option latest cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 292. Code: Object.

BODY—22 x 56, hardwood frame; poplar panels, with plain or ironed corners. Padded dash. Cushion about 17 x 30. Bent panel seat as shown on No. 204 at extra cost.

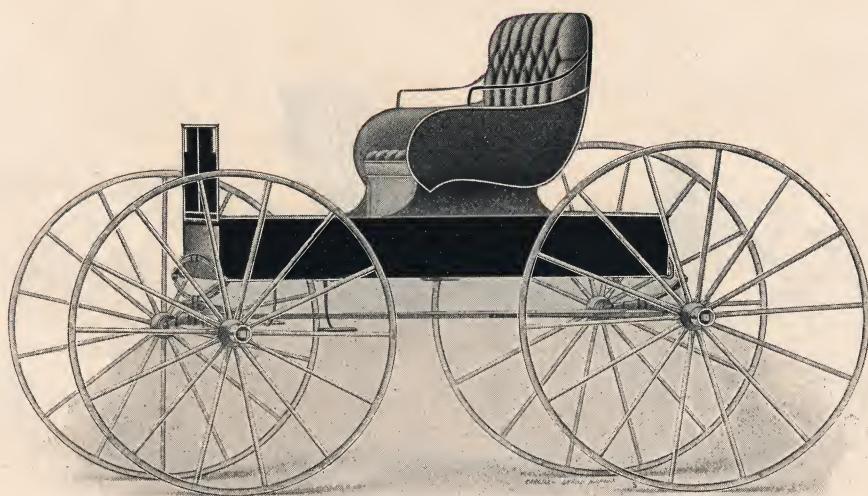
GEAR—Banner spring. Axles Lee & Porter long distance, dust proof, swaged. Very easy riding springs. Gears are heavily ironed and braced. Track 4 feet 8 inches regular. Option 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread extra.

PAINTING—Body panels deep black. Gear regular carmine. Option Brewster green, striping to harmonize.

UPHOLSTERING—Best spring cushion, heavy all wool green cloth regular. Option cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 199. Code: Obelisk.

BODY—22 or 24 x 56 inches, select hardwood frame; poplar panels, plain or ironed corners. Wrought frame dash. Phaeton seat. Cushion about 17 x 30 inches. Back 20 inches high.

GEAR—Select second growth, 12 inch fifth wheel. Axles $\frac{15}{16}$ Lee & Porter long distance, dust proof, arch or drop. Springs special grade elliptic. Wood bar bolted or clipped, or Bailey hangers. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts.

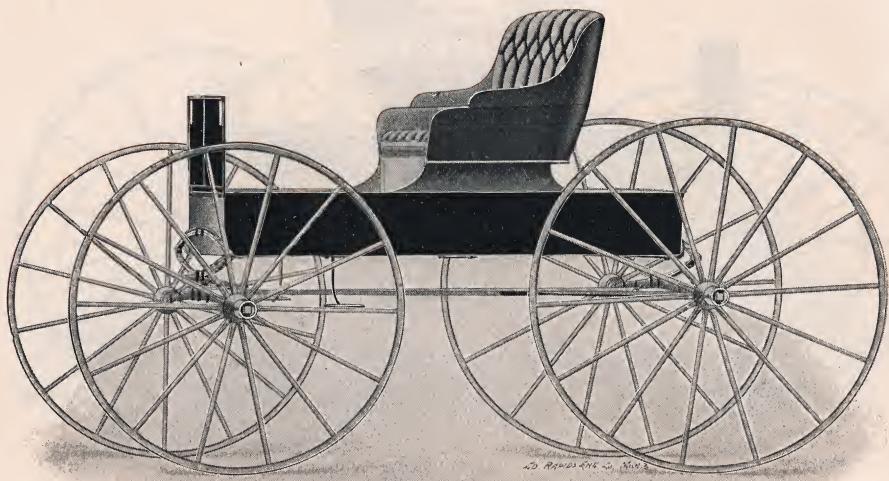
WHEELS—Sarven patent. Select hickory, 41 and 45 inches or 38 and 42 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread.

PAINTING—Body and seat black. Gear carmine or green, striped to harmonize.

UPHOLSTERING—Best spring cushion and back. Heavy union green cloth regular. Option cord. Carpet to correspond.

Approximate shipping weight, 450 pounds.

MICHIGAN BUGGY COMPANY



No. 324. Code: Original.

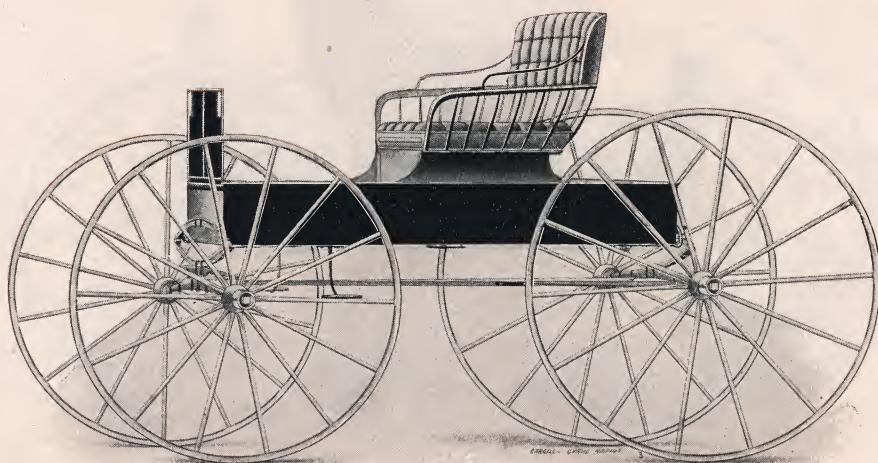
BODY—22 x 56 inches, hardwood frame; poplar panels. Auto seat; oxidized handles extra. Padded dash. Cushion about 17 x 30 inches.

GEAR—Second growth. 12 inch circle. Axles $\frac{1}{2}$ inch, Lee & Porter, long distance dust proof, swaged, arch or drop. Springs special grade. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—41 and 45 inches; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread; Sarven patent or banded wood hub extra.

PAINTING—Body and seat black. Gear carmine or green, striped to harmonize.

UPHOLSTERING—Spring cushion with union green or blue cloth or cord. Nice grade carpet. Approximate shipping weight, 450 pounds.



No. 99½. Code: Obey.

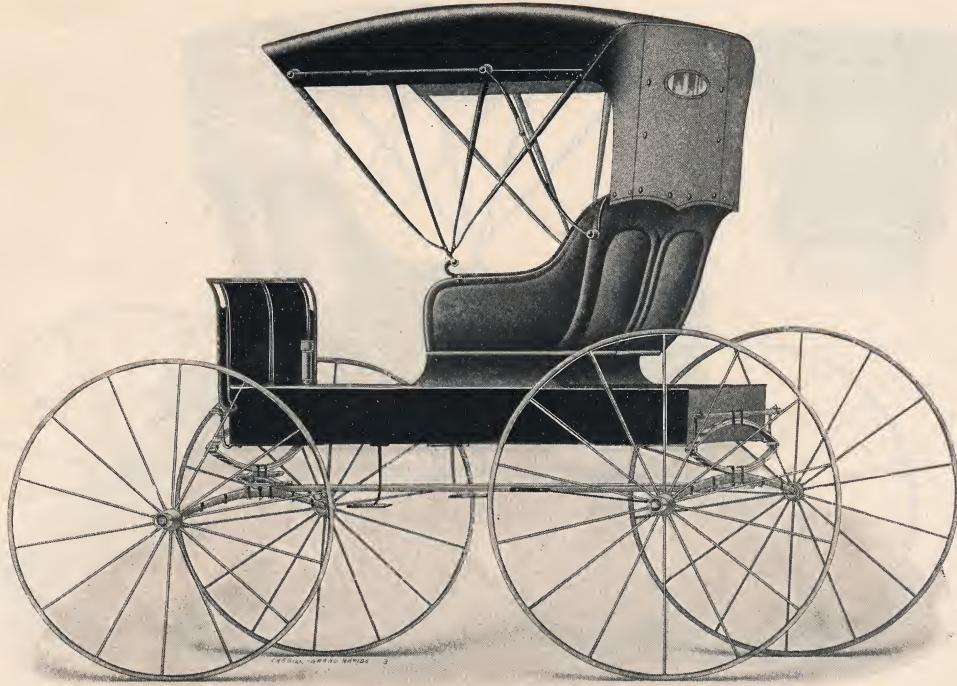
BODY—22 x 56 inches, hardwood frame; poplar panels. Bent hickory seat spindles. Padded dash. Cushion about 17 x 30 inches.

GEAR—Second growth. 12 inch circle. Axles $\frac{1}{2}$ inch, Lee & Porter long distance dust proof, swaged arch or drop. Springs special grade. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—41 and 45 inches; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread; Sarven patent or banded wood hub extra.

PAINTING—Body and seat black. Gear carmine or green, striped to harmonize.

UPHOLSTERING—Spring cushion with union green cloth or cord; leather extra. Carpets to match. Approximate shipping weight, 450 pounds.



No. 152. Code: Oyez.

BODY—22 x 56 inches. Select hardwood frame. Poplar panels; plain or ironed corners. Wrought frame dash; padded. Latest design in solid sunken panel. Twin auto seat. Cushion about 17 x 31. Back 23 inches high.

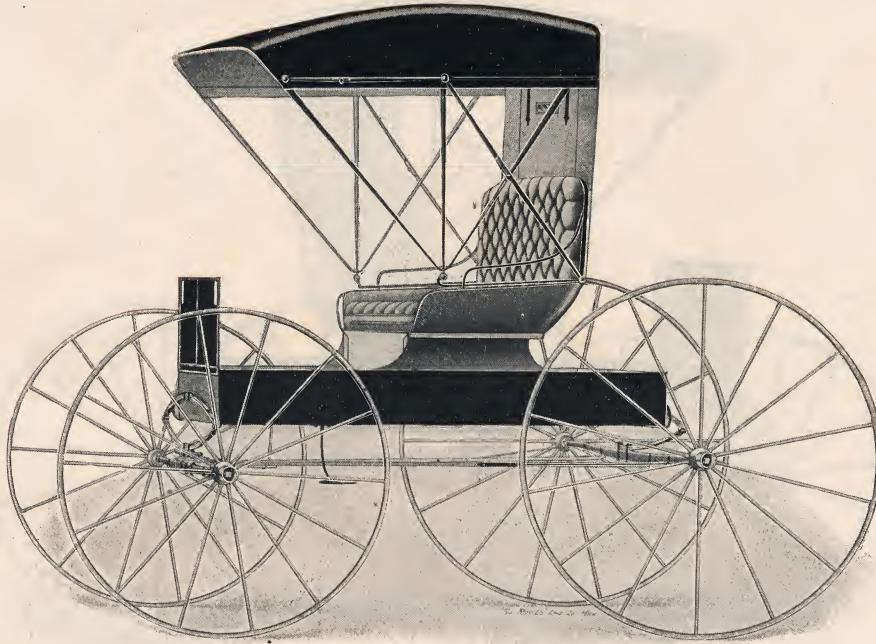
GEAR—Select second growth. All forgings wrought iron. 12 inch solid wrought Brewster circle and reach connections. Axles $\frac{1}{2}$ inch Lee & Porter, long distance, dust proof; true arch, swaged. Springs special grade oil tempered; wood bars bolted or clipped, or Bailey hangers. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts; hand forged "T" irons; 36 inch leathers.

WHEELS—Select hickory; Sarven patent; 41 and 45 inches. $\frac{3}{4}$ or $\frac{7}{8}$ inch tread. Option 38 and 42 inches. Banded wood hub, extra.

PAINTING—Body, black. Seat, black or panels painted in colors when specified. Gear, Brewster green or carmine; striped to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green, blue or maroon cloth. Carpet to correspond.

TOP—Auto design; 3 or 4 japanned bows, curved. Automobile leather. Brass nuts, knobs and front finish. Also, furnished in full rubber, leather quarter or full leather. Auto design, but regular headlining and black furnishings. (See price list.) Approximate shipping weight, 500 pounds.



No. 57. Special High Grade Buggy. Code: Teller.

BODY—Special hardwood frame; poplar panels, 20, 22 or 24 x 56 inches. Solid foot wrought frame extra leather covered dash. Rubber padded steps. Cushion measurements about 28, 32 or 34 x 17 inches. Back about 21 inches.

GEAR—Best second growth throughout; all forgings best Norway iron. 12 inch Brewster solid wrought fifth wheel and reach connections. Bradley shackles. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade open head elliptic. Bailey hangers regular. Option wood bar. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

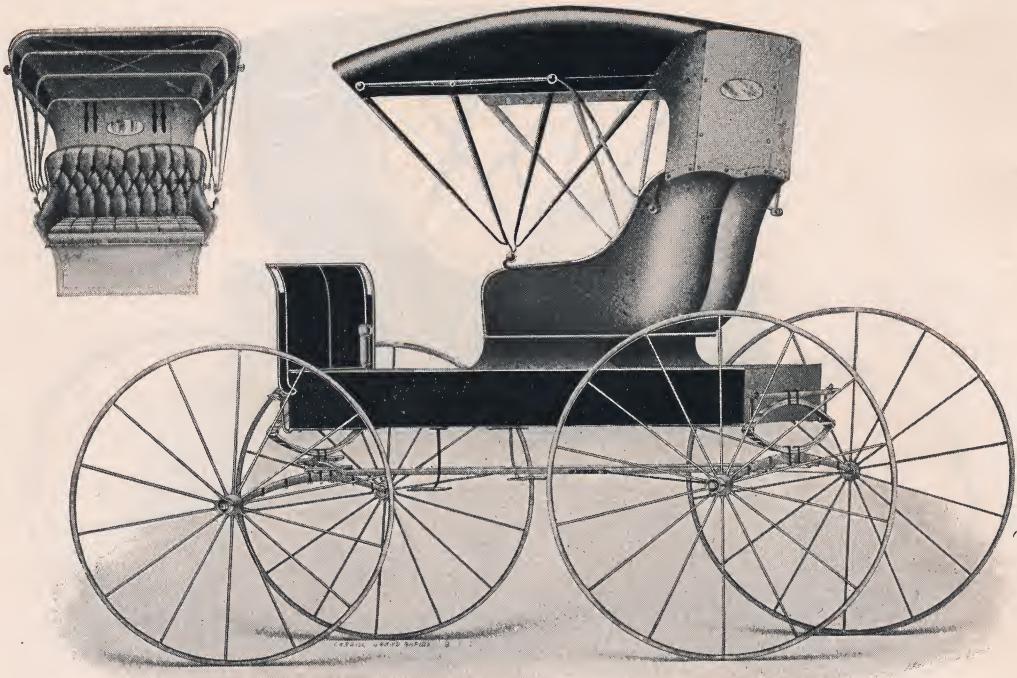
WHEELS—Best grade banded wood hub, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread, or 44 and 48 inches high. Option Sarven patent wheels, 41 and 45 inches high.

PAINTING—Extra special. Body panels deep black. Gear Brewster green regular; three fine lines carmine glazed striping. Option carmine or black gear, striped to correspond.

UPHOLSTERING—Heavy all wool green broadcloth. Spring cushion and back. Option latest cord. Velvet carpet.

TOP—Best full rubber, leather quarter, or machine basted leather. Lining to correspond with trimmings. Rubber side curtains, cloth lined, regular. Leather covered bows and nuts and leather boot regular with leather quarter and full leather top.

Approximate shipping weight, 500 pounds.



No. 149. The Oriole. Code: Tornicity.

BODY—24 x 56 inches, select hardwood frame; poplar panels, plain or ironed corners. Wrought frame dash, padded. Latest design in twin auto seat. Cushion about 17 x 31 inches. Back 23 inches high.
GEAR—Select second growth. All forgings wrought iron. 12 inch solid wrought Brewster circle and reach connections. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, cemented caps, nice arch, swaged. Springs special grade oil tempered. Wood bars bolted or clipped, or Bailey hangers. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts; hand forged "T" irons; 36 inch leathers.
WHEELS—Select hickory, Sarven patent, 41 and 45 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches. Banded wood hub extra.

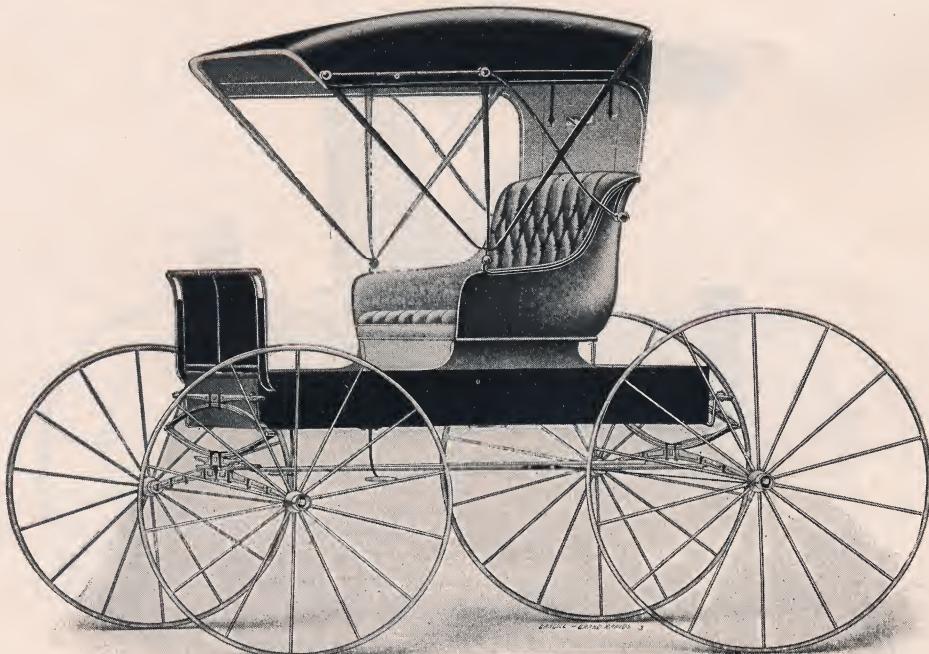
PAINTING—Body and seat black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green, blue or maroon cloth. Carpet to correspond.

TOP—Auto design, three or four japanned bows, curved. Imitation automobile leather. Brass nuts, knobs and front finish. Also furnished in full rubber, leather quarters or full leather. Auto design, but regular head lining and black furnishings. See price list.

Approximate shipping weight, 500 pounds.

NOTE—This style open will be No. 148. Code: Objuscate.



No. 151. The King. Code: Topiary.

BODY—24 x 56 inches, select hardwood frame; poplar panels, plain or ironed corners. Wrought frame dash, padded. Latest design in plain Belgian seat. Cushion about 17 x 31 inches. Back 23 inches high.

GEAR—Select second growth. All forgings wrought iron. 12 inch solid wrought Brewster circle and reach connections. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, cemented caps, nice arch, swaged. Springs special grade oil tempered. Wood bars bolted or clipped, or Bailey hangers. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts; hand forged "T" irons; 36 inch leathers.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches. Banded wood hub extra.

PAINTING—Body and seat black. Gear Brewster green or carmine, striped to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green, blue or maroon cloth. Carpet to correspond.

TOP—Auto design, three or four japanned bows, curved. Imitation automobile leather. Brass nuts, knobs and front finish. Also furnished in full rubber, leather quarters or full leather. Auto design, but regular head lining and black furnishings. See price list.

Approximate shipping weight, 500 pounds.

NOTE—This style open will be No. 150. Code: Objurgate.



No. 351. Code: Timber.

BODY—22 x 56, select hardwood frame; poplar panels. Padded leather dash. Auto seat. Cushion 31 x 17. Back 22 inches.

GEAR—High arch, select hickory, bent axle caps, cemented. Wrought iron head block plate and reach connections. 12 inch solid wrought Brewster circle, Brewster saddle and oval axle clips. Axles # Lee & Porter long distance, swaged. Special oil tempered open head springs. Wood bar bolted. Rubber pad steps. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory. Sarven patent, 41 and 45, $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option. Best banded wood hub extra.

PAINTING—Body and seat black. Gear Brewster green, carmine or maroon, striping to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth or cord. Carpet to match.

TOP—Three or four bows. Best rubber regular. Leather quarter or full leather; rubber side curtains. Head lining to match body trimmings. Leather covered bows extra. This is our No. 60 quick shifting top.

NOTE—This top is arranged with quick shifting rails, so it can be removed in 30 seconds, making a very handsome open runabout. Approximate shipping weight, 500 pounds.



No. 276 $\frac{1}{2}$. Code: Trump.

BODY—Select hardwood frame; poplar panels, 22 x 56 inches. Padded leather dash. Cushion 32 x 17 inches. Back 21 inches.

GEAR—Roman arch axles, Lee & Porter long distance, dust proof; full length bent hickory caps, cemented and thoroughly clinched. Select hickory reaches. 12 inch Brewster solid wrought fifth wheel and reach connections. Bradley shackles. Extra grade open head springs. Rubber pad steps. Track 4 feet 8 inches. Shafts.

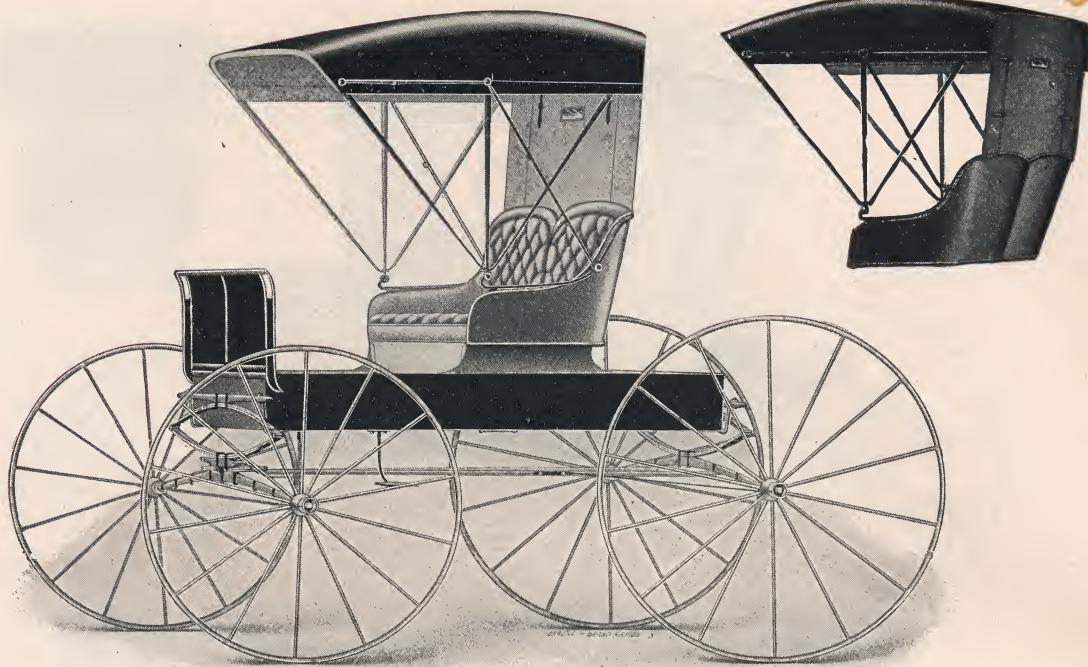
WHEELS—Banded wood hub; $\frac{3}{4}$ inch tread; 36 and 38 inches high. Quoted with steel, solid rubber or cushion rubber tires.

PAINTING—Body panels deep black. Gear carmine regular. Option Brewster green, striped to correspond.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth regular. Option latest cords. Nice grade carpet.

TOP—Three or four japanned bows; heavy rubber, leather quarters or full leather extra; rubber side curtains. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 362. Code: Turret.

BODY—24 x 56 inches, select hardwood frame; poplar panels, plain or ironed corners. Wrought frame curved wing dash. Bent panel seat. Cushion 17 x 33. Back 20 inches high. This seat will not fit a 22 inch body.

GEAR—Select second growth. All forgings wrought iron, 12 inch solid wrought Brewster circle and reach connections. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, cemented caps, nice arch, swaged. Springs special grade oil tempered. Wood bars bolted or clipped, or Bailey hangers. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts; hand forged "T" irons; 36 inch leathers.

WHEELS—Sarven patent, select hickory, 41 and 45 inches, or 38 and 42 inches; $\frac{3}{4}$ or $\frac{7}{8}$ inch tread. Banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green, carmine or black, striping to harmonize.

UPHOLSTERING—All wool green cloth, leather extra. Spring cushion. Divided back. Fine grade carpet.

TOP—Three or four bow, full rubber regular. Leather quarter or full leather extra. Head lining to match body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 342 $\frac{1}{2}$. Code: Tower.

BODY—22 x 56, select hardwood frame; poplar panels. Solid foot dash, padded; extra grade leather covered. Cushion about 32 x 17 inches. Back about 21 inches.

GEAR—Select second growth hickory. 12 inch solid wrought Brewster circle and reach connections. Axles Lee & Porter long distance, dust proof. Latest design square arch, on recessed beds, cemented. Springs oil tempered open head. Rubber pad steps. Shafts. Bradley shackles. Track 4 feet 8 inches or 4 feet 4 inches.

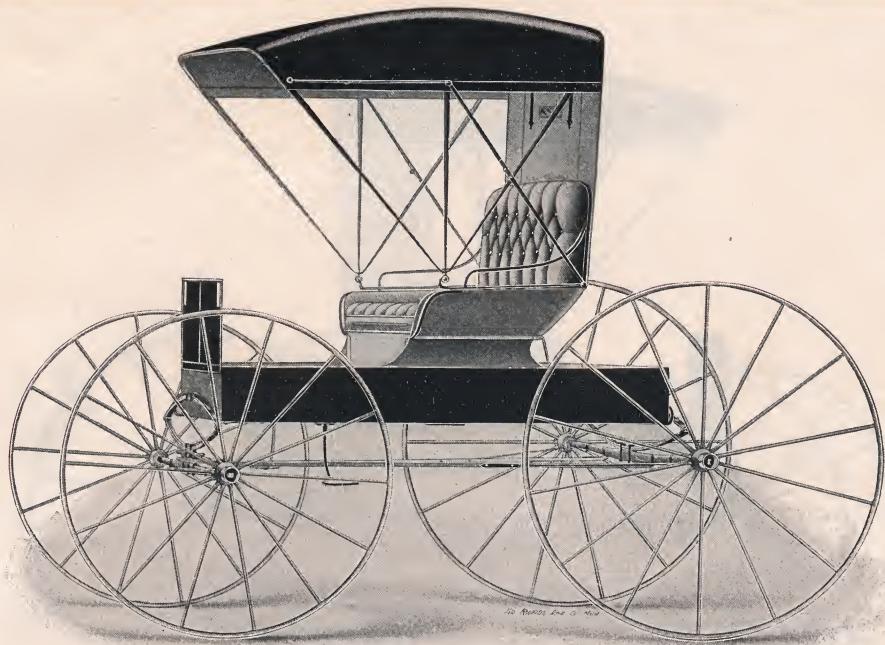
WHEELS—Best grade banded wood hub, 36 and 38 inches; $\frac{3}{4}$ tread. Quoted with steel tires. Solid rubber or cushion tires extra.

PAINTING—Body and seat panels deep black. Gear carmine regular, black striping. Option Brewster green, carmine striping.

UPHOLSTERING—Best spring cushion and back; panel back seats; all wool green cloth trimming. Option cord. Nice grade carpet.

TOP—Three or four japanned bows; full rubber, leather quarters, or full leather top with rubber side curtains. See price list. Head lining to match body upholstering. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 52 Special.

Code: Tanden.

BODY—Best hardwood frame; poplar panels, 20, 22 or 24 x 56 inches, either plain or ironed corners. Solid foot wrought frame dash. Rubber covered steps. Cushion 28, 32 or 34 x 17 inches. Back 21 inches.

GEAR—Best second growth throughout; all wrought iron forgings. 12 inch Brewster solid wrought fifth wheel and reach connections. Bradley shackles. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs open head elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Best hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42

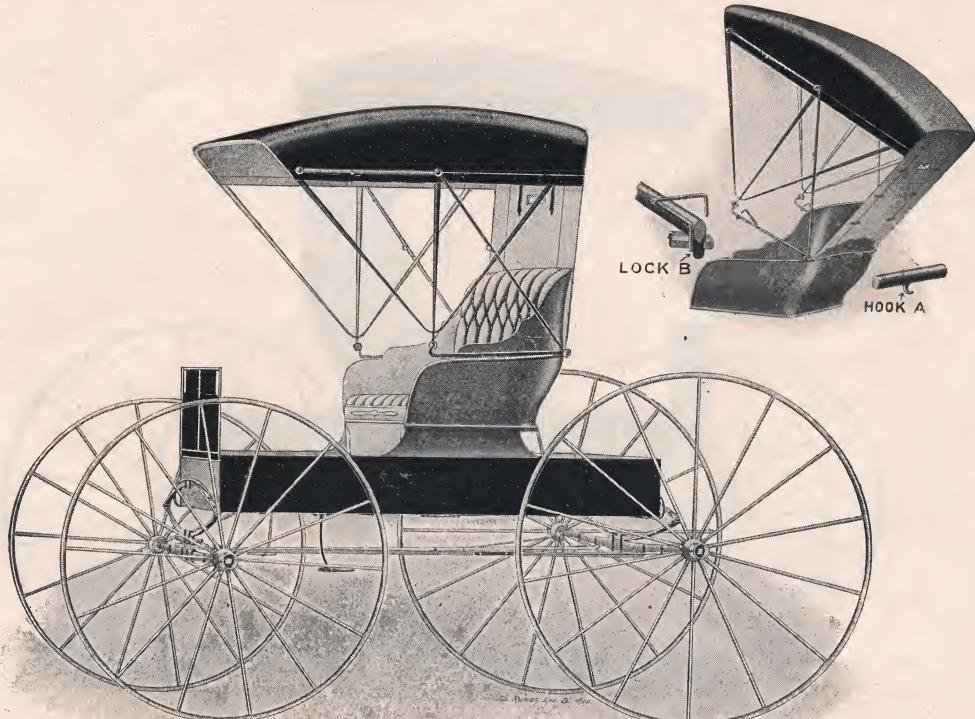
inches high. Option 1 inch tread at extra cost. Option banded wood hubs extra.

PAINTING—Body and seat panels deep black. Gear regular Brewster green, carmine glazed striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool green broadcloth. Option latest style cords. Nice grade carpet.

TOP—Three or four bows, best full rubber, leather quarters, or full machine buffed leather with japanned bows; rubber side curtains, cloth lined. Leather covered bows extra. Head lining to correspond with body trimmings.

Approximate shipping weight, 500 pounds.



No. 60. Two-in-One Auto Seat. Code: Terrace.

BODY—22 x 56 select hardwood frame; poplar panels, plain or ironed corners. Padded dash. Automobile style panel seat. Cushion about 31 x 17 inches. Back 22 inches.

GEAR—Select second growth. All forgings wrought iron. 12 inch solid wrought. 12 inch Brewster circle and reach connections. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, cemented caps, nice arch, swaged. Springs special grade oil tempered. Wood bars bolted or clipped, or Bailey hangers. Rubber pad steps. Track 4 feet 4 inches, 4 feet 8 inches or 5 feet 2 inches. Shafts; hand forged "I" irons; 36 inch leathers.

WHEELS—Select hickory. Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42

inches high. Option 1 inch tread extra. Option banded wood hub extra.

PAINTING—Body and seat deep black. Gear Brewster green or carmine, striping to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth. Option cord. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarter, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather covered bows extra.

NOTE—This top is arranged with quick shifting rail, so it can be removed in 30 seconds, making a very handsome open runabout.

Approximate shipping weight, 500 pounds.



No. 176. Semi-Quick Shift. Code: Topmost.

BODY—22 x 56, select hardwood frame; poplar panels, plain or ironed corners. Padded dash. Automobile style seat. Cushion about 17 x 31 inches. Back 21 inches.

GEAR—Second growth. 12 inch fifth wheel with rear king bolt. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade. Bailey hangers. Track 4 feet 8 inches, 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green, carmine or black, striping to correspond.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth or cords. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarter, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather bows extra.

NOTE—This top can be removed in less than two minutes by removing two loop nuts at the lugs at the front of seat. Nuts can be removed without a wrench.

Approximate shipping weight, 500 pounds.



No. 58. Corning Seat. Code: Temple.

BODY—Best hardwood frame about 22 x 56 inches; poplar panels, plain or ironed corners. Padded leather dash. Seat full panel back. Cushion 32 x 17 inches. Back 22 inches.

GEAR—Best second growth. 12 inch fifth wheel with king bolt back of axle. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread wheels at extra cost. Option banded wood hubs extra.

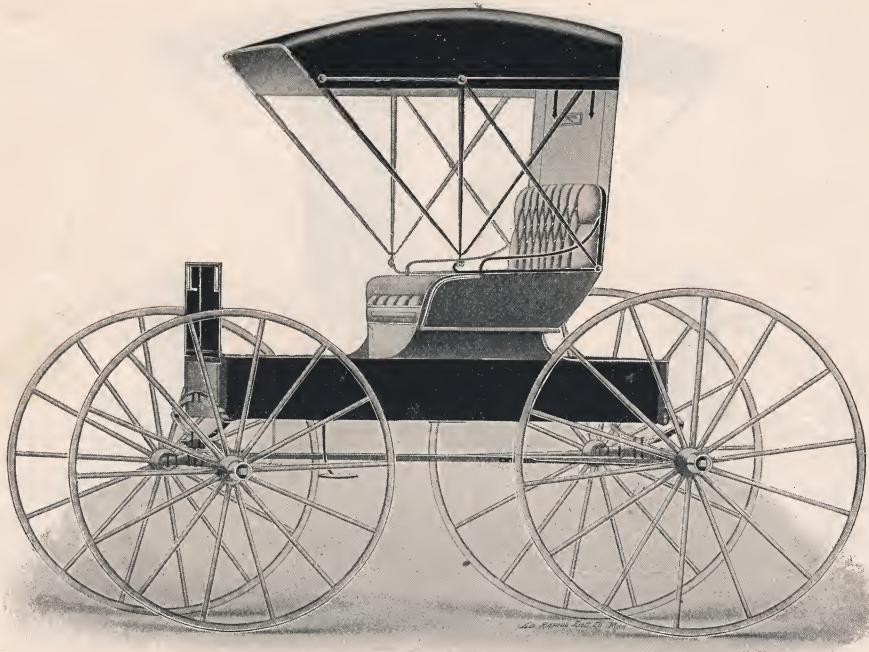
PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth regular. Option cords. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.

MICHIGAN BUGGY COMPANY M



No. 56. Livery Buggy. Code: Tempest.

BODY—Best hardwood frame; poplar panels; size about 26 x 56 inches, ironed corners. Padded dash. Cushion 35 x 17 inches. Back 21 inches.

GEAR—Best second growth throughout. 12 inch circle. Axles 1 $\frac{1}{8}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Special strong open head elliptic springs. Bailey hangers. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Shafts.

WHEELS—All white hickory, Sarven patent, 41 and 45 inches high; 1 inch tread. Option 38 and 42 inches high. Option $\frac{1}{2}$ inch tread. Option banded wood hub wheels at extra cost.

PAINTING—Body black. Gear Brewster green regular, with carmine glazed striping. Option carmine gear, black striping.

UPHOLSTERING—Heavy all wool green cloth regular. Option nice cord. Carpet to correspond.

TOP—Three or four bows, heavy rubber, leather quarters or full leather, with japanned bows and rubber side curtains.

Approximate shipping weight, 500 pounds.



No. 70. Semi-Quick Shift Top. Code: Torrent.

BODY—22 x 56, select hardwood frame; poplar panels, plain or ironed corners. Padded dash. Very comfortable seat.

GEAR—Select second growth. 12 inch fifth wheel with king bolt back of axle. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{1}{2}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread wheels at extra cost. Option banded wood hubs at extra cost.

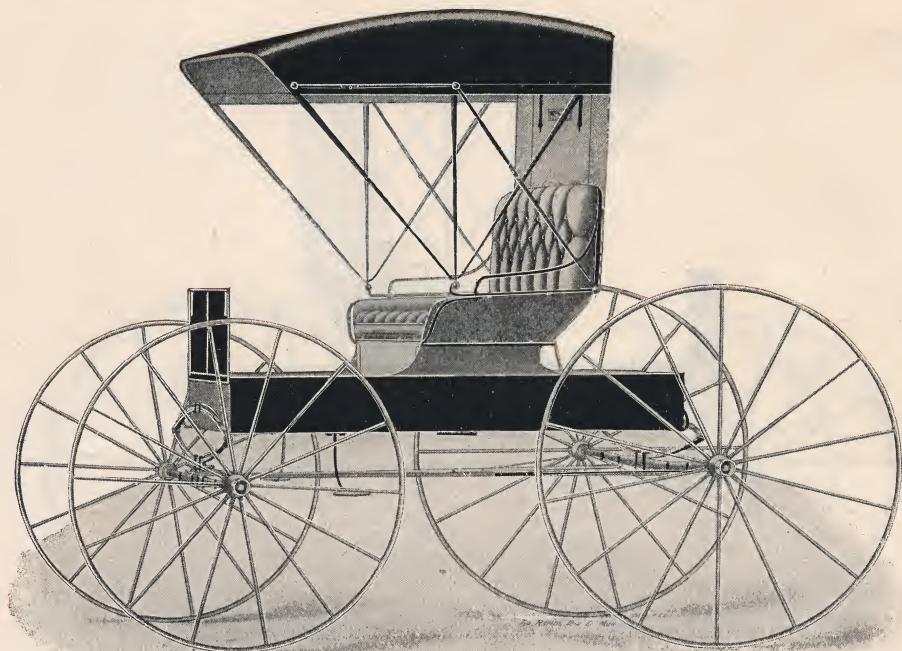
PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth trimming. Option cord. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.

NOTE—This top can be removed in less than two minutes by removing two loop nuts at the lugs at the front of seat. Nuts can be removed without a wrench.



No. 51. Code: Talent.

BODY—Select hardwood frame; poplar panels, 22 or 24 x 56 inches, plain or ironed corners. Padded dash. Panel back seat. Cushion measurements about 32 or 34 x 17 inches. Back about 21 inches.

GEAR—Select second growth. 12 inch fifth wheel with king bolt back of axle. Axle $\frac{1}{8}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select white hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth regular. Option cords. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 350. Code: Timid.

BODY—22 or 24 x 56 inches, select hardwood frame; poplar panels, plain or ironed corners. Paneled back seat. Cushion 32 or 34 x 17 inches. Back 21 inches.

GEAR—High arch, select hickory bent axle caps, cemented. Wrought iron headblock plate and reach connections. 12 inch solid Brewster circle, Brewster saddle and oval axle clips. Axles $\frac{1}{8}$ Lee & Porter long distance, swaged. Special oil tempered open head springs. Wood bar bolted. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

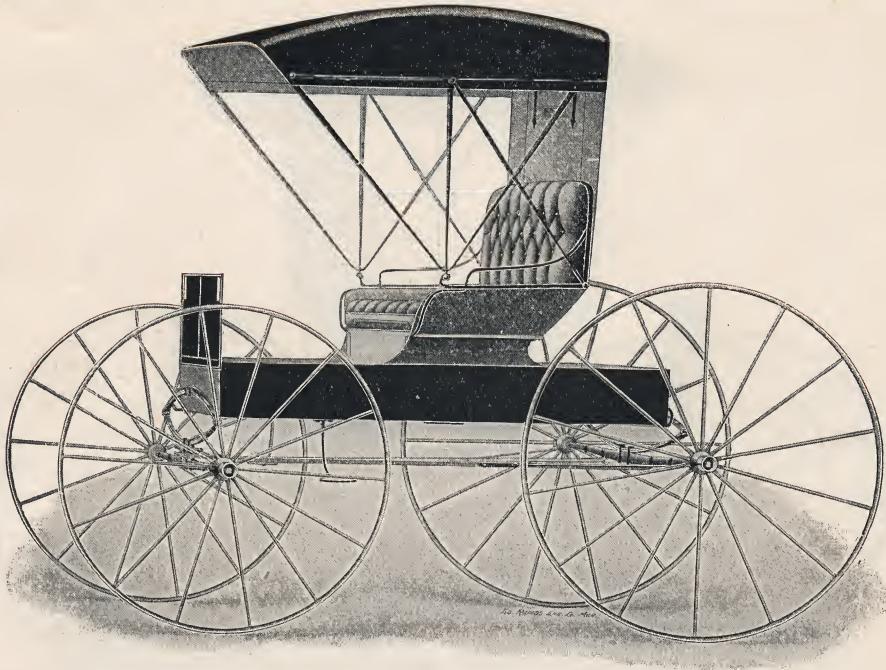
WHEELS—Select hickory, Sarven patent, 41 and 45 inches, 38 and 42 inches; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread; 1 inch tread extra. Banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green regular. Option carmine, striping to harmonize.

UPHOLSTERING—Best spring cushion and back; heavy union green cloth trimming or cord. Carpet to match.

TOP—Three or four japanned bows. Full rubber regular; leather quarters or full leather extra. Rubber side curtains. Head lining to match body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 54. Code: Tassel.

BODY—Select hardwood frame; poplar panels, 22 or 24 x 56 inches, plain or ironed corners. Padded dash. Panel back seat. Cushion measurements about 32 or 34 x 17 inches. Back about 21 inches.

GEAR—Select second growth. 12 inch fifth wheel with king bolt back of axle. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clinched. Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread wheels at extra cost. Option banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth regular. Option cords. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather bows extra.

Approximate shipping weight, 500 pounds.



No. 59. Code: Tenar.

BODY—Select hardwood frame poplar panels. Panel back seat. Curved dash. Cushion 32 x 17 inches. Back 21 inches.

GEAR—Select second growth. 12 inch fifth wheel with king bolt back of axle. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

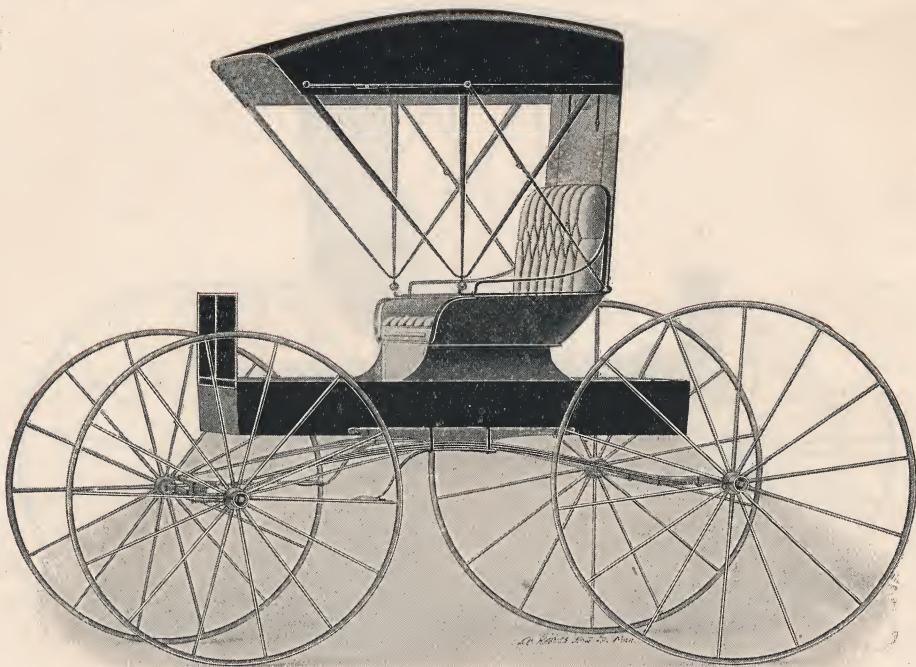
WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread wheels at extra cost. Option banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool green cloth regular. Option cords. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings.

Approximate shipping weight, 500 pounds.



No. 293. Banner Spring. Code: Tutrix.

BODY—Select hardwood frame; poplar panels; size 22 x 56, plain or ironed corners. Padded dash. Cushion about 32 x 17 inches. Back about 21 inches.

GEAR—Banner spring. Axles Lee & Porter long distance, dust proof, swaged; very easy riding springs. Gear is heavily ironed and braced. Track 4 feet 8 inches regular. Option 5 feet 2 inches. Shafts.

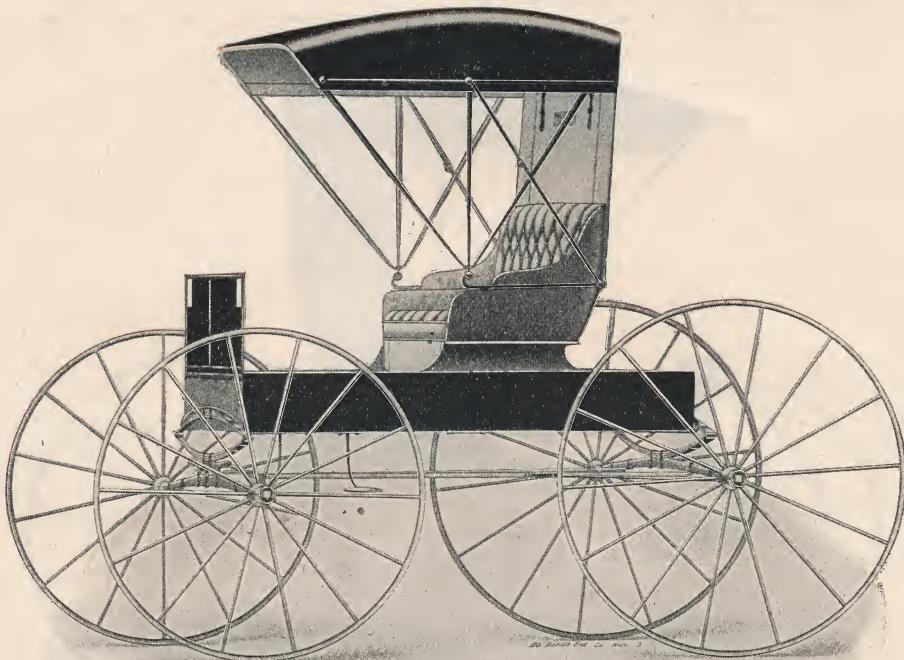
WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread at extra cost.

PAINTING—Body panels deep black. Gear regular carmine, with black striping. Option Brewster green, gold striping. Can also furnish striped body if desired.

UPHOLSTERING—Best spring cushion with panel back; heavy all wool green cloth. Option cord. Nice carpet.

TOP—Three or four japanned bows; either heavy rubber, leather quarters or full leather, with rubber side curtains. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 133. Semi-Quick Shift Top. Code: Torch.

BODY—Hardwood frame poplar panels, 22 or 24 x 56 inches, plain or ironed corners. Panel back seat. Cushion about 17 x 31 inches. Back 21 inches.

GEAR—Second growth, 12 inch fifth wheel with king bolt back of axle. Axle $\frac{11}{16}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Special hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread wheels at extra cost. Option banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy union green cloth trimming. Option cord. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains, head lining to correspond with body trimming. Leather covered bows extra.

Approximate shipping weight, 500 pounds.

NOTE—This top can be removed in less than two minutes by removing two loop nuts at the lugs at the front of seat. Nuts can be removed without a wrench.



No. 170. Semi-Quick Shift Top. Code: Tory.

BODY—Hardwood frame; poplar panels, 22 x 56 inches, plain or ironed corners. Padded dash. Very comfortable phaeton seat.

GEAR—Second growth, 12 inch fifth wheel with king bolt back of axle. Axle $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Special hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches. Option 1 inch tread wheels at extra cost. Option banded wood hubs extra.

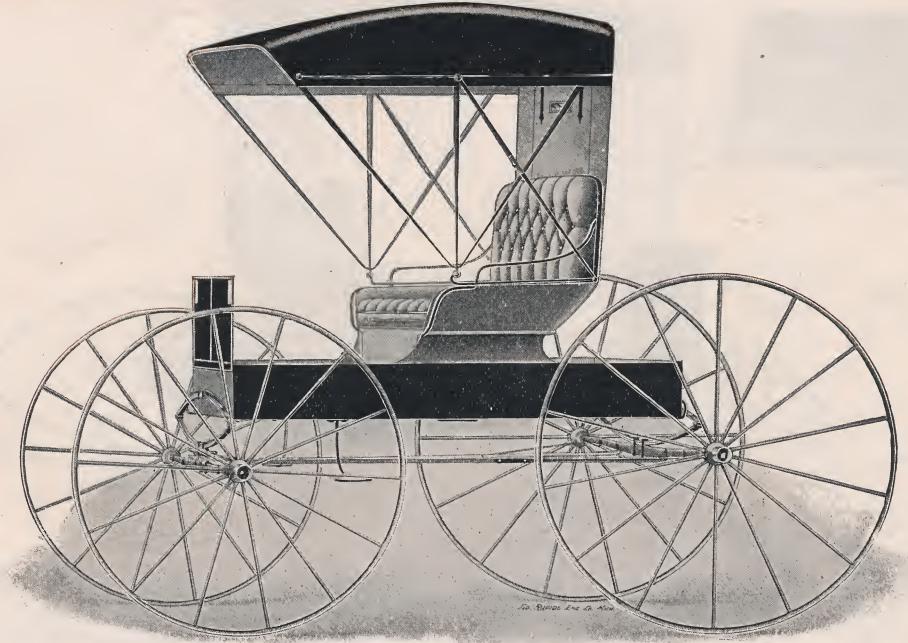
PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy union green cloth trimming. Option cord. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.

NOTE—This top can be removed in less than two minutes by removing two loop nuts at the lugs at the front of seat. Nuts can be removed without a wrench.



No. 33. Code: Tabby.

BODY—Hardwood frame poplar panels, 22 or 24 x 56 inches, plain or ironed corners. Panel back seat. Cushion 32 or 34 x 17 inches. Back about 21 inches.

GEAR—Second growth, 12 inch fifth wheel with king bolt back of axle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, arch or drop, swaged. Springs special grade elliptic. Bolted or clipped Bailey hangers. Track regular 4 feet 8 inches. Option 4 feet 4 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches high. Option 1 inch tread wheels at extra cost. Option banded wood hubs extra.

PAINTING—Body and seat black. Gear Brewster green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Best spring cushion and back; heavy union green cloth trimming. Option cord. Carpet to correspond.

TOP—Three or four japanned bows; best rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to correspond with body trimmings. Leather covered bows extra.

Approximate shipping weight, 500 pounds.



No. 155 1/2. Mountain Buggy. Code: Triumph.

BODY—Select hardwood frame extra braced; poplar panels, about 28 x 60 inches, iron corners. Padded dash. Panel back seat. Cushion 18 x 34 inches. Back 21 inches.

GEAR—Select second growth. Full Concord with heavy 12 inch circle. Three perch, with equalizers. Axles 1 1/4 inch double collar or Lee & Porter long distance, dust proof. Quoted with pole and foot brake regular. Track 5 feet 2 inches. Option 4 feet 8 inches.

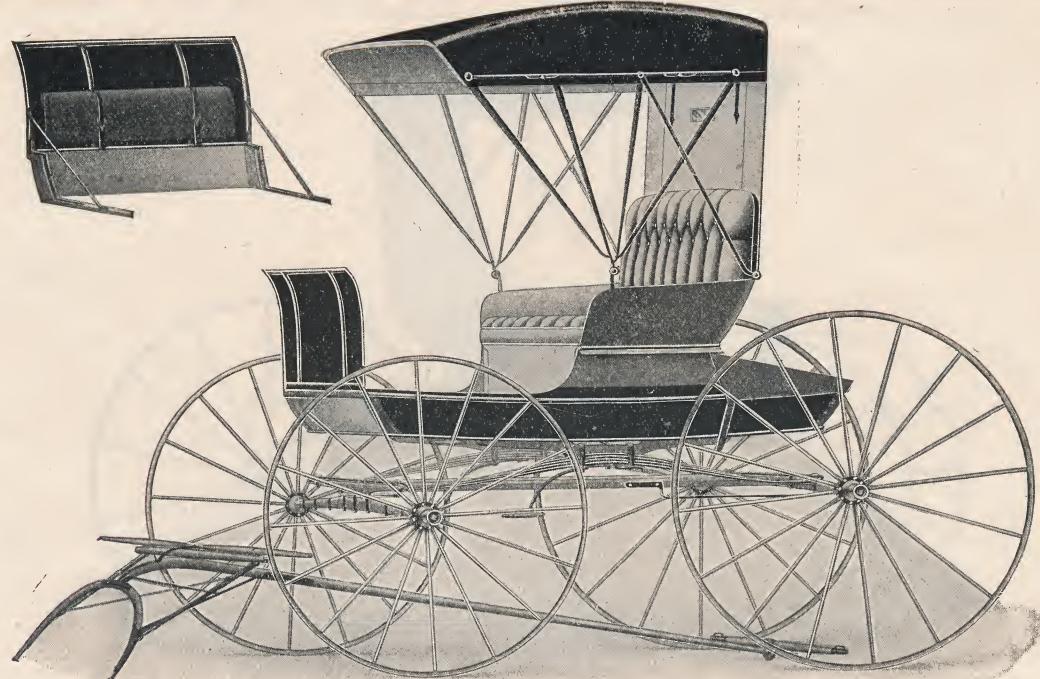
WHEELS—Select hickory, Sarven patent; 1 1/8 inch tread, 41 and 45 inches high; riveted rims. Special heavy, round edge steel tire.

PAINTING—Body and seat panels deep black. Gear Brewster green regular, with gold striping. Option carmine gear, black striping.

UPHOLSTERING—Full spring leather cushion and back. Carpet to correspond. Leather skirt boot, as illustrated. Priced with cloth trimmings upon application.

TOP—Leather, three or four japanned bows, rubber side curtains, full extension joints. Priced with leather quarter top upon application.

Approximate shipping weight, 725 pounds.



No. 274. Jumbo Concord. Code: Trophy.

BODY—About 29 x 60 inches, 3/4 inch side panels, ironed on top; 1 1/2 inch full lap metal corners, eight rivets in each corner. Two steps on each side. Good carpet. Nice high solid foot flap dash, with storm apron; extra heel braces to dash. Boot full skirt, leather. Option rubber. Cushion 23 x 39 inches. Back 24 inches.

GEAR—Full Concord, with equalizers. 1 1/4 inch D. C. axles finely ground. Cemented caps, extra heavy clipped. Pole regular. 12 inch circle. Three reaches, extra heavy; heavily ironed full length, cross braced. Springs 1 1/2 inch six leaf. Brakes extra.

WHEELS—7 inch hub, Sarven patent; 1 1/8 inch tread, 41 and 45 inches high, 3/4 inch round edge steel tire, riveted rims. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Wood hubs extra.

PAINTING—Regular, green gear, black body. Option carmine. Well finished job throughout.

TRIMMING—Regular, leather cushion and back.

TOP—Leather, leather boot, japanned bows, cloth lined side curtains.

Approximate shipping weight, 750 pounds.

MICHIGAN BUGGY COMPANY M



No. 346. High Grade Livery Concord. Code: Tourist.

BODY—28 x 62 inches, select hardwood frame. Extra thick poplar panels, glued, clamped, screwed and plugged. Also ironed at entrance and all corners. Solid mouldings. Extra heavy solid foot hand forged dash and toe rod. Special boot frame. M. B. leather coverd, hand made.

SEAT—Hand forged arm and shifting rail. Cushion about 20 x 38. Back 23 inches.

GEAR—Select hickory; three wrenches, framed and glued, all ironed. Full wrought forgings, $\frac{3}{4}$ x 14 inch wrought steel circle, full braced. Extra heavy forged steel king bolt and equalizer rods. Springs 1 $\frac{1}{2}$ inch, five plates, oil tempered, lipped. Axles 1 $\frac{1}{8}$ inch Lee & Porter long distance, dust proof. Extra heavy pole, full ironed and braced. Bradley shackles. Track 4 feet 8 inches. Brake extra.

WHEELS—41 and 45 inches, best grade Sarven patent, 1 or 1 $\frac{1}{2}$ inch tread. Riveted rims.

PAINTING—Gear carmine or green regular. Other colors extra. Body and seat black, striping to harmonize.

TRIMMINGS—Best M. B. leather, with best grade hair upholstering. Very elastic springs in cushion and back.

TOP—Four bows, full rubber; leather quarters, or full leather. Rubber curtains, cloth lined. Japanned bows.

Approximate shipping weight, 600 pounds.



No. 156. Code: Transfer.

BODY—Select hardwood frame solid moulded panels. Special dash. Panel back seat. Cushion 17 x 32. Back 21 inches.

GEAR—Second growth, three perch, full Concord, with equalizers. 12 inch circle. Axles $\frac{11}{16}$ inch Lee & Porter long distance, dust proof, swaged. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Shafts.

WHEELS—Select hickory, Sarven patent; $\frac{3}{4}$ or 1 inch tread, 41 and 45 inches high. Option banded wood hub wheels at extra cost.

PAINTING—Body black, neatly striped. Shutter work in color to harmonize with gear. Gear Brewster green, gold striping. Option carmine, with black striping.

UPHOLSTERING—Best spring cushion and back; heavy all wool cloth or cord. Carpet to correspond. Leather furnished at extra cost.

TOP—Three or four japanned bows; heavy rubber, leather quarters, or full leather extra; rubber side curtains. Head lining to match trimming. Quoted regular with rubber skirt boot special pattern, as illustrated. Soft leather boot extra. See price list. Approximate shipping weight, 550 pounds.



No. 338. Slat Wagon. Code: Trek.

BODY—25 x 64, hickory side bars and slat bottom with steel cross bars, bolted and clipped to bottom of slats. Wrought frame dash, extra grade leather covering, braced. Cushion about 17 x 32.

GEAR—Select hickory; wrought iron forgings; extra heavy 12 inch full circle and large king bolt. Muholland springs, very easy action. Axles $\frac{1}{8}$ Lee & Porter long distance, swaged. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Extra grade, Sarven patent, 41 and 45 inches high; $\frac{3}{8}$ inch tread.

PAINTING—Body and seat black. Gear carmine or green, striped to harmonize.

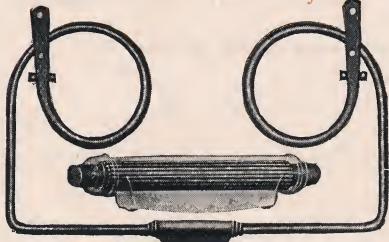
UPHOLSTERING—All wool green cloth or leather.

Best spring cushion and back. Heavy carpet.

TOP—Heavy rubber, with rubber or cloth lining; side curtains; japanned bows.

Approximate shipping weight, 525 pounds.

NOTE—This job fitted with Shuler springs is No. 338 $\frac{1}{2}$. Code: Trinket.

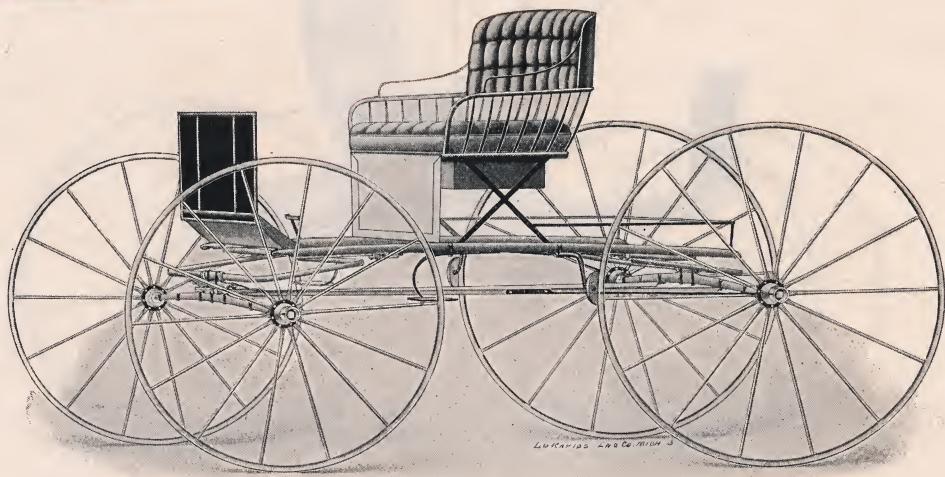


We Guarantee every W. S. Shuler Patent Roller Bearing Spring against wear or breakage during life of vehicle and to give satisfaction.

W. S. Shuler Spring Co.

Sole Manufacturers,

Amsterdam, N. Y.



No. 344 $\frac{1}{2}$. Slat Wagon. Code: Orphean.

BODY—21 x 64 inches, hickory side bars and slat bottom with steel cross bars bolted and clipped to the bottom slats. Wrought frame dash, extra grade leather covered, braced. Cushion about 17 x 30 inches.

GEAR—Select hickory; wrought iron forgings; extra heavy 12 inch full circle and large king bolt. Shuler springs only, very easy action. Axles $\frac{1}{8}$ inch Lee & Porter long distance, swaged. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Extra grade Sarven patent, 41 and 45 inches high; $\frac{3}{8}$ inch tread.

PAINTING—Body and seat black. Gear carmine or green, striped to harmonize.

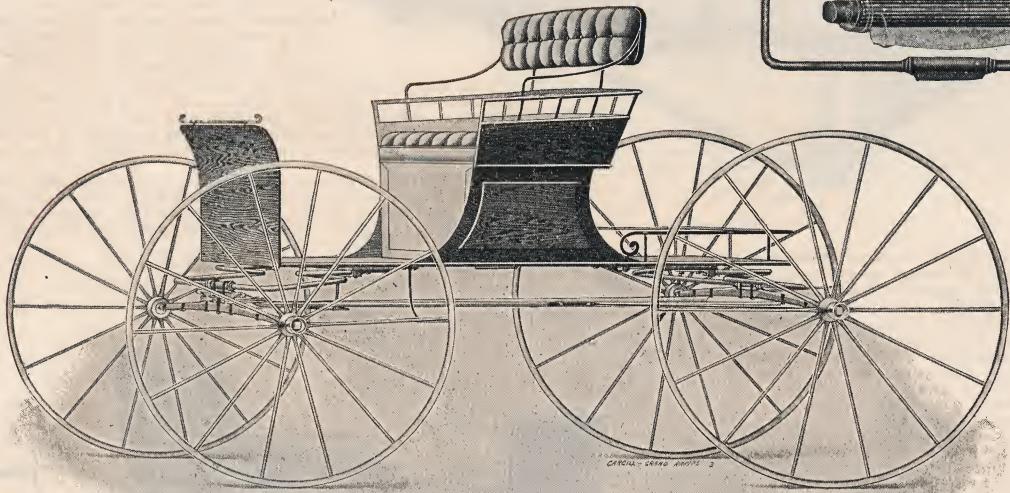
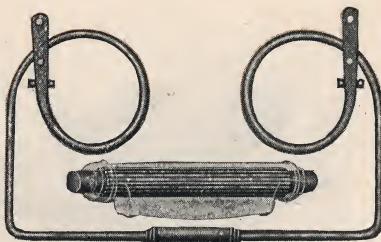
UPHOLSTERING—Leather or green cloth. Best spring cushion and back. Heavy carpet.

Approximate shipping weight, 450 pounds.

NOTE—This style is fitted with seat and top like No. 338. Use No. 344. Code: Trunk.

We Guarantee every W. S. Shuler Patent Roller Bearing Spring against wear or breakage during life of vehicle and to give satisfaction.

W. S. Shuler Spring Co., Sole Manufacturers
Amsterdam, N. Y.



No. 359. Code: Orifice.

BODY—27 x 63 inches, select hardwood, solid raised panels on seat risers, nickel rails; seats hardwood, finished inside. Cushions 18 x 32 inches.

GEAR—Select hickory; 12 inch solid wrought Brewster circle and reach connections. Axles $\frac{1}{2}$ Lee & Porter long distance, dust proof, swaged. Shuler springs. Shafts.

WHEELS—38 and 42 or 41 and 45 Sarven patent; $\frac{3}{4}$ or $\frac{5}{6}$ inch tread.

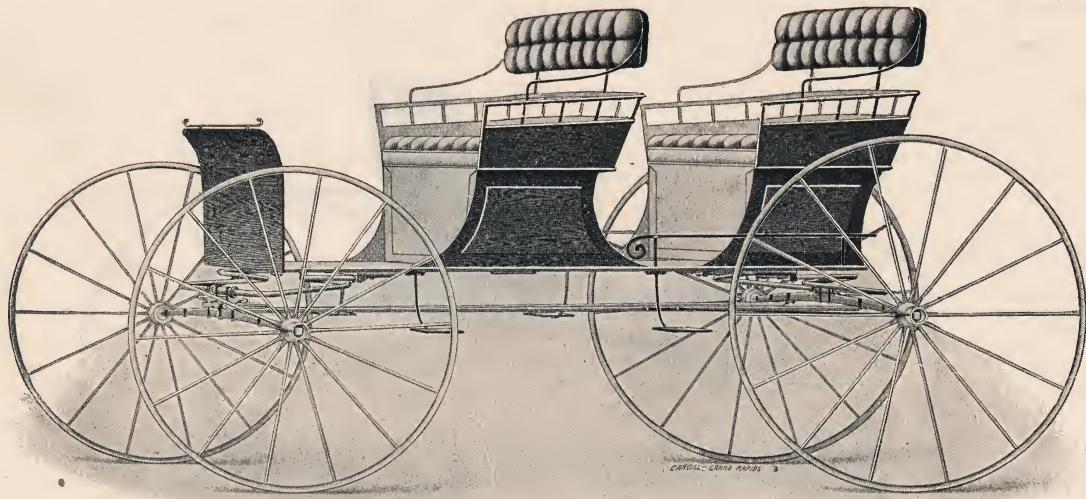
PAINTING—Natural wood throughout, iron black, regular.

COLORS—Colors when specified. Striped to harmonize.

TRIMMINGS—Light colored cord regular. Other cloths or leather when specified. Carpet.

Approximate shipping weight, 500 pounds.

The body on this Buckboard is fitted with a truss underneath (which does not show on the picture) thoroughly preventing the body from settling or sagging in the center, which has always been the difficulty with Buckboards of this style, suspended on springs. The truss is secured at each end of the body by angle irons and a stud in the center, the rod being about $\frac{1}{2}$ of an inch round steel, fitted with large hexagon nuts at each end, with which, if after years of service the body should settle a little, the nuts can be turned up, thereby throwing the body back in its natural position.



No. 360. Code: Ornament.

BODY—27 x 72 inches, select hardwood, solid raised panels on seat risers. Nickel rail around body back of seat. Seat hardwood, finished inside. Hardwood dash with nickel rail. Rear seat removable. Cushions 18 x 32 inches.

GEAR—Select hickory; 12 inch solid wrought Brewster circle and reach connections. Axles $1\frac{1}{2}$ Lee & Porter long distance, dust proof, swaged. Shuler springs. Shafts.

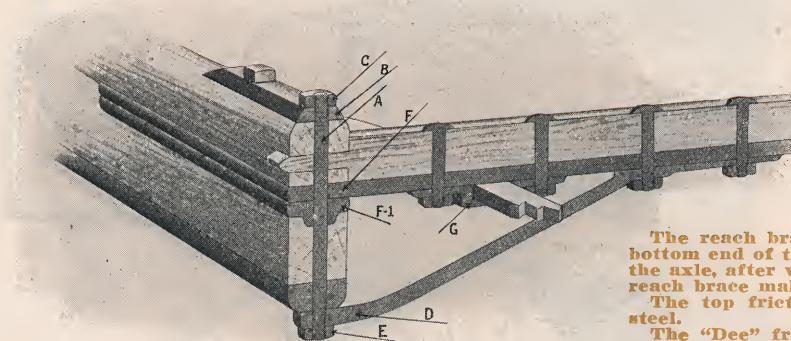
WHEELS—Select Sarven patent; $\frac{3}{4}$ or 1 inch tread; 38 and 42 or 41 and 45 inches high.

PAINTING—Natural wood throughout, iron black; or finished throughout in colors when specified, striped to harmonize.

UPHOLSTERING—Light colored cord regular. Other cloths or leather when specified. Carpet.

Approximate shipping weight, 600 pounds.

The body on this Buckboard is fitted with a truss underneath (which does not show on the picture) thoroughly preventing the body from settling or sagging in the center, which has always been the difficulty with Buckboards of this style, suspended on springs. The truss is secured at each end of the body by angle irons and a stud in the center, the rod being about $\frac{1}{2}$ of an inch round steel, fitted with large hexagon nuts at each end, with which, if after years of service the body should settle a little, the nuts can be turned up, thereby throwing the body back in its natural position.



Noiseless King Bolt.

Our NOISELESS KING BOLT used on our No. 343, special high grade Concord, with section of axle and headblock showing the mechanism.

(A) is a special steel king bolt threaded at both ends.

(B) is the headblock plate threaded and screwed down to the end of the thread on the king bolt and bolted to the headblock.

The lock nut (C) is screwed down and securely fastens the king bolt at the top. The reach brace (D) is also threaded and screwed on to the bottom end of the king bolt until it is properly adjusted against the axle, after which the lock nut (E) is screwed up against the reach brace making the king bolt secure at top and bottom.

The top friction plate (F) and reach iron are hand forged steel.

The "Dee" friction plate (F-1) is a special steel plate, as is also the box yoke (G) through which the circle plays.

We positively claim, without fear of contradiction, that this is the best king bolt ever put on a Concord wagon.

BODY—29 x 59 inches. Select hardwood frame. Panels all solid moulding and thoroughly glued, screwed and ironed on top. Dash, wrought iron frame; solid feet; extra grade leather covering. Pocket and apron extra.

SEAT—Poplar panels, solid mouldings, hand forgings. Cushion about 18 x 34 inches. Back 21 inches.

GEAR—Best second growth throughout. Full wrought iron forgings and equalizers with special steel fifth wheel, noiseless king bolt, and reach brace.

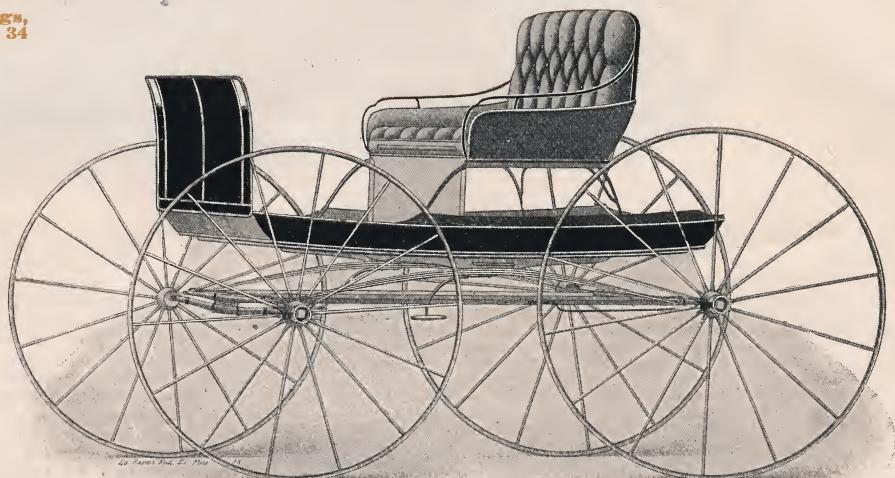
AXLES— $\frac{1}{2}$ x 6 $\frac{1}{2}$ inch, Lee & Porter long distance, dust proof. Swaged. Track 4 feet 8 inches or 5 feet 2 inches.

WHEELS—41 and 45 inches. Sweet patent, band hub. $\frac{3}{8}$ inch tread. Steel or rubber tires.

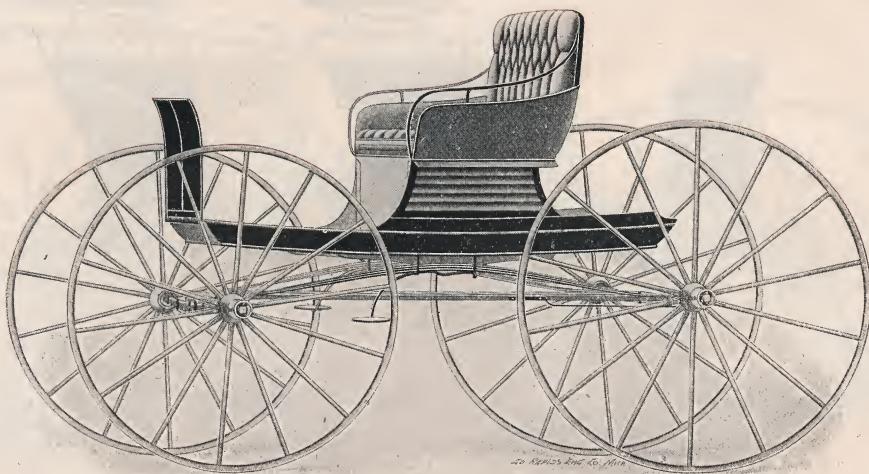
PAINTING—Body and seat black. Gear green or carmine regular. Other combinations extra. Striped to harmonize.

UPHOLSTERING—Best M. B. leather, regular. Cloth when specified. Hand sewed cushion and back. Extra grade hair stuffed throughout. Heavy, full length carpet. Shafts extra grade, leather trimmings.

Approximate shipping weight, 500 pounds.



No. 343. High Grade Concord. Code: Kelt.



No. 155. Code: Kaiser.

BODY—27 x 55 inches, selected hardwood frame, thoroughly glued and screwed, and ironed on top of panels on all corners. Leather dash. Priced with or without pocket, and with or without line rail. Extra large panel back seat, with full length nickel arm rails.

GEAR—Select second growth. Full Concord with equalizers. Heavy 12 inch circle. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged. Track 4 feet 8 inches. Option 5 feet 2 inches. Shafts.

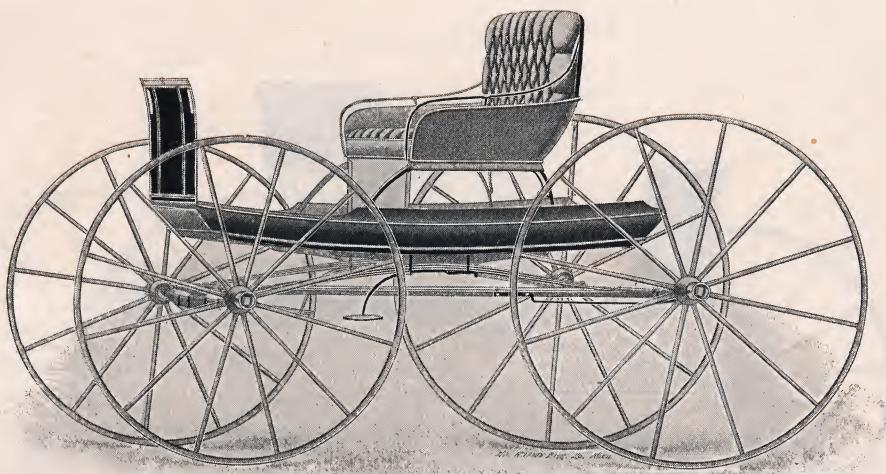
WHEELS—Select hickory, Sarven patent; $\frac{3}{8}$ or 1 inch tread, 41 and 45 inches high regular. Option banded wood hub or L. & J. at extra cost.

PAINTING—Body black, mouldings neatly striped, and shutter work on side of body in color to harmonize with gear. Gear Brewster green regular, gold striping. Option carmine, black striping.

UPHOLSTERING—Spring cushion and back; heavy all wool green cloth regular. Option cord. Carpet to correspond. Leather trimmings extra.

Approximate shipping weight, 450 pounds.

NOTE—When price is wanted with top, see No. 156.



No. 50. Collector's Concord. Code: Kilter.

BODY—27 x 58 inches, select hardwood frame; solid mouldings. Ironed on all corners. Leather dash, line rail. Priced with or without pockets. Solid panel back seat. Nickel arm rails. Cushion 34 x 17 inches. Back 22 inches.

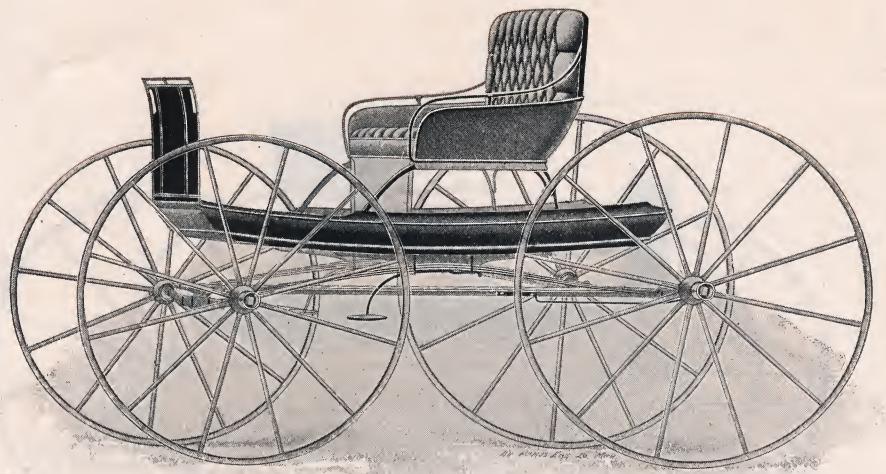
GEAR—Select second growth, three perch. Concord springs. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged. Track 4 feet 8 inches. Quoted with shafts.

WHEELS—Select hickory, L. & J. pattern, 41 and 45 inches high; $\frac{3}{4}$ inch tread.

PAINTING—Body and seat panels black, neatly striped. Gear dark green regular, gold striping. Option carmine gear, black striping.

UPHOLSTERING—Spring cushion and back. All wool green cloth regular. Option cord. Leather extra. Carpet to correspond.

Approximate shipping weight, 450 pounds.



No. 62. New England Concord. Code: Kipper.

BODY—24 x 58 inches, select hardwood frame; solid mouldings, ironed on top of panels at all corners. Solid foot leather covered dash, with nickel line rail. Priced with or without pocket. Cushion about 31 x 17 inches. Back about 22 inches. Full panel back seat, with full length nickel arm rails.

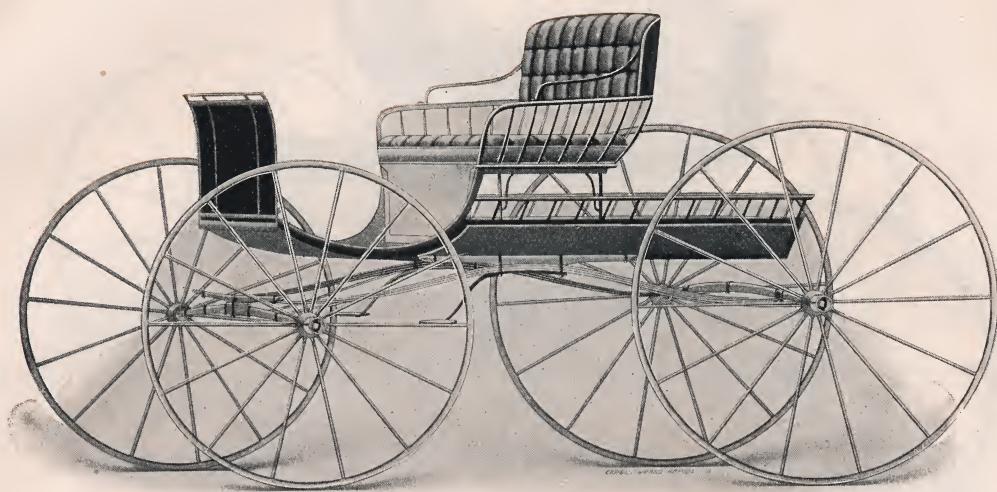
GEAR—Select second growth, three perch, Concord springs. Axles $\frac{1}{2}$ inch Lee & Porter long distance, dust proof, swaged. Track 4 feet 8 inches. Quoted with shafts.

WHEELS—Select hickory, L. & J. pattern, 41 and 45 inches high; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread.

PAINTING—Body black, neatly striped. Gear dark green regular, gold striping. Option carmine, black striping.

UPHOLSTERING—Spring cushion and back. All wool green cloth regular. Option cord. Leather extra. Carpet to correspond.

Approximate shipping weight, 450 pounds.



No. 369. Code: Kite.

BODY—23 x 59 inches hardwood frame. Poplar panels. Hickory spindles. Special seat riser, casting fully securing the frame; extra heavy corner irons in the rear corners of the body. Dash, wrought frame; and solid line rail. Curved spindle seat. Cushion about 17 x 30.

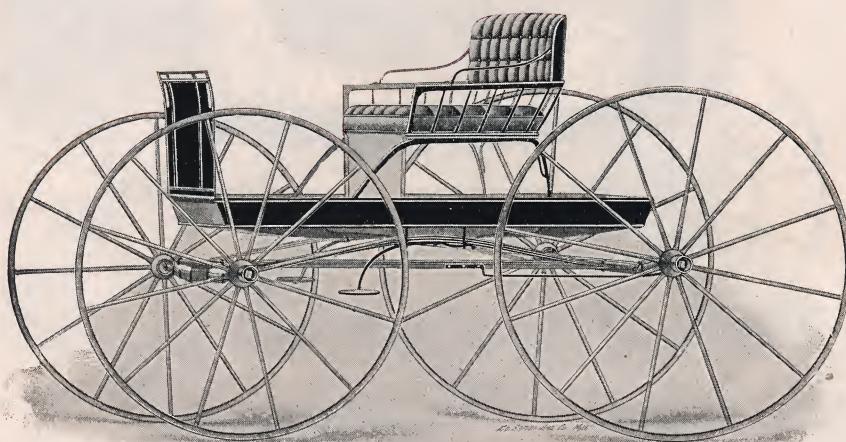
GEAR—Banner spring, which has two cross springs extending from king bolt and clipped on side springs at side bars extending to outside clip on rear axle which fully prevents the gear from racking or spreading; very easy riding. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Select hickory. Sarven patent. 41 and 45 inches. $\frac{3}{4}$ or $\frac{5}{8}$ inch tread. Option 38 and 42 inches. 1 inch tread extra.

PAINTING—Body and seat, black. Gear, Brewster green or carmine. Striping to harmonize.

UPHOLSTERING—Spring cushion, imitation leather, green cloth or cord. Nice grade carpet.

Approximate shipping weight, 450 pounds.



No. 67. Maine Punt. Code: King.

BODY—25 x 55 inches, select hardwood frame; panels thoroughly glued and screwed, with edge irons on all corners. Solid foot leather covered dash; line rail. Priced with or without pocket. Cushion 30 x 17 inches. Back 22 inches.

GEAR—Select second growth, three perch. Concord springs. Axles $\frac{11}{16}$ inch Lee & Porter long distance, dust proof, swaged. Track 4 feet 6 inches. Shafts.

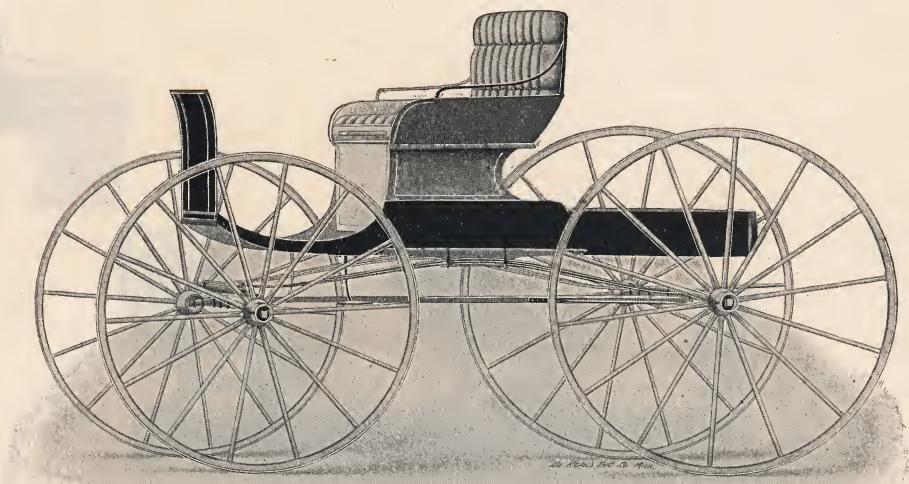
WHEELS—All white hickory, L. & J. pattern; $\frac{3}{4}$ or $\frac{5}{8}$ inch tread, 41 and 45 inches high.

PAINTING—Body black. Gear dark green regular, gold striping. Option carmine, black striping.

UPHOLSTERING—Spring cushion. All wool green cloth regular. Option cord. Leather extra. Carpet to correspond. Back trimmed down to seat bottom at extra cost.

Approximate shipping weight, 450 pounds.

MICHIGAN BUGGY COMPANY M



No. 102. Light Delivery Wagon. Code: Decide. No. 101. Code: Deck.

BODY—29 x 84 inches, select hardwood frame; thick panels, glued and screwed. Paneled back seat. Tight box under the seat. Leather dash. Cushion 18 x 34. Back 20 inches.

GEAR—Select second growth. Double reach, thoroughly ironed and braced. 12 inch circle. Axles 1 $\frac{1}{2}$ Lee & Porter long distance, dust proof. Track 4 feet 8 inches or 5 feet 2 inches. Concord side spring. Auxiliary rear cross spring extra. Shafts.

WHEELS—Select hickory, Sarven patent, 1 inch tread, 41 and 45 inches high.

PAINTING—Body black. Gear green or carmine, striping to harmonize. Lettering extra.

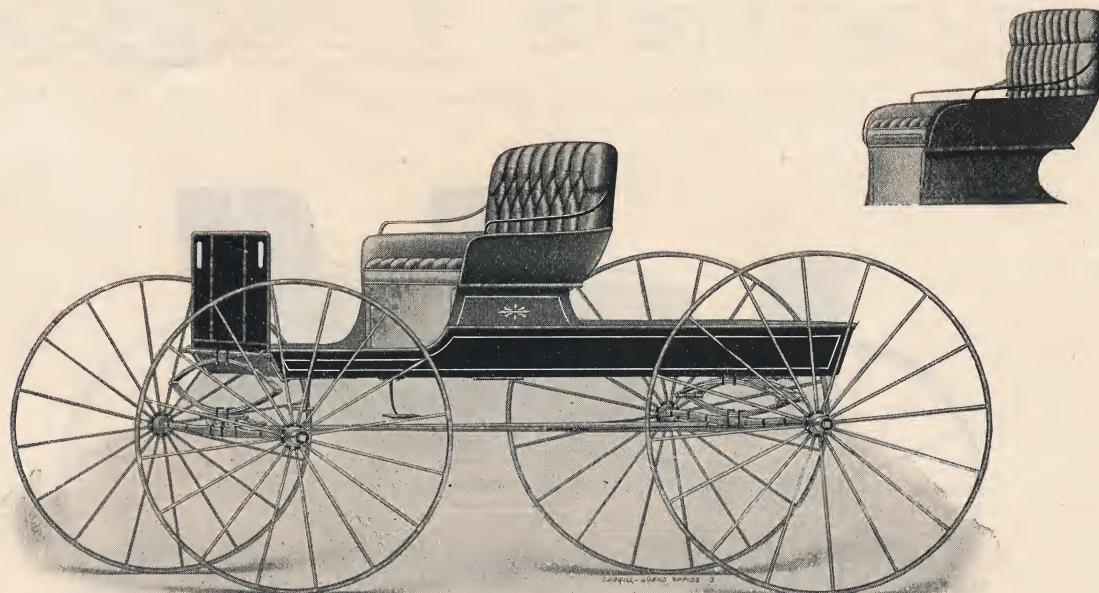
UPHOLSTERING—Heavy all wool green cloth or imitation leather. Leather extra. Nice spring cushion and back. Carpet in front.

TOP—This style can be furnished with three or four japanned bows. Full rubber, leather quarters or all leather, with rubber side curtains. See price list.

NOTE—Style No. 102 is intended to carry two sewing machines (when used for sewing machine wagon).

If desired to carry only one machine, or for general light delivery purposes, and a shorter body is wanted, designate No. 101. Body 29 x 66 inches. See price list.

Approximate shipping weight, 575 pounds.



No. 358. General Purpose Wagon. Code: Ease.

BODY—29 x 69 inches. Hardwood frame; $\frac{3}{4}$ inch panels, ironed all around top edge and forged at corners; $\frac{5}{8}$ inch bottom; wrought frame dash. Cushions 18 x 34.

GEAR—Second growth. 12 inch circle. Axles 1 $\frac{1}{2}$ inch Lee & Porter long distance, dust proof. Springs elliptic front, Hayes rear, extra grade. Track 4 feet 8 inches or 5 feet 2 inches. Shafts.

WHEELS—Sarven patent, 38 and 42 inches; $\frac{7}{8}$ or 1 inch tread.

PAINTING—Body and seat black. Gear green or carmine, striped to harmonize.

UPHOLSTERING—Imitation leather; leather or cloth extra. Spring cushion and back.

TOP—Three or four bow, rubber. Canopy with curtains when ordered.

Approximate shipping weight, 575 pounds.

NOTE—This job furnished with extra seat, as illustrated, will be No. 358 $\frac{1}{2}$. Code: Economy.

This job is especially designed for general use, and is very nice for light delivery work, or can be used for a four passenger vehicle. The back seat is easily removed.



No. 32. Code: Deep.

BODY—32 x 72 inches, select hardwood. Ironed all around the top. Cushions 36 x 17 inches. Backs about 20 inches. Nickel arm rails on seats. Solid foot dash, with solid line rail.

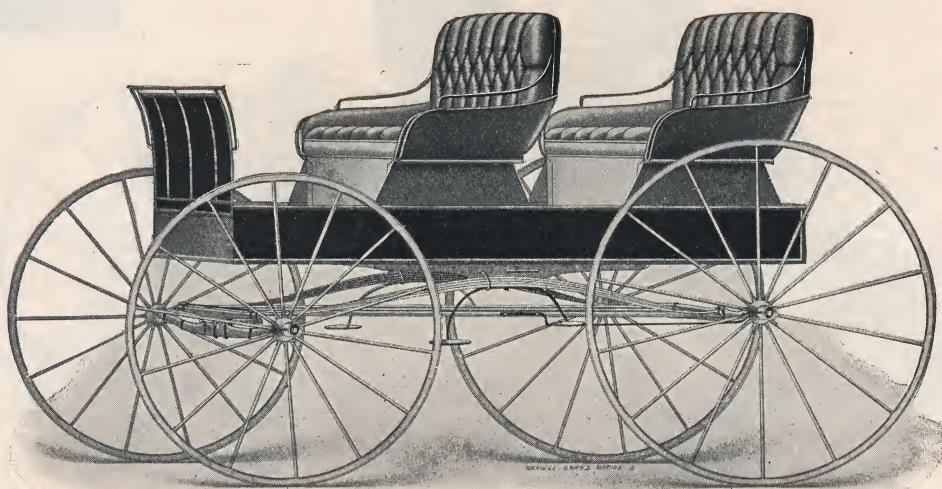
GEAR—Three perch Concord side spring. 14 inch wrought circle. Axle 1 $\frac{1}{8}$ inch Lee & Porter long distance, dust proof. Track 4 feet 8 inches. Option 5 feet 2 inches. Shafts.

WHEELS—Sarven patent, select hickory, 41 and 45 inches high, 1 inch tread; or L. & J., 41 and 45 inches high, $\frac{3}{8}$ inch tread.

PAINTING—Body and seats black, neatly striped. Gear green or carmine, striping to harmonize.

UPHOLSTERING—Spring cushion and backs. Heavy union green cloth or cord. Extra for leather. Extra for backs trimmed down as illustrated in cut. Approximate shipping weight, 625 pounds.

NOTE—This style with panel seat, as illustrated, will be No. 34. Code: Doe.



No. 34 $\frac{1}{2}$. Code: Depth.

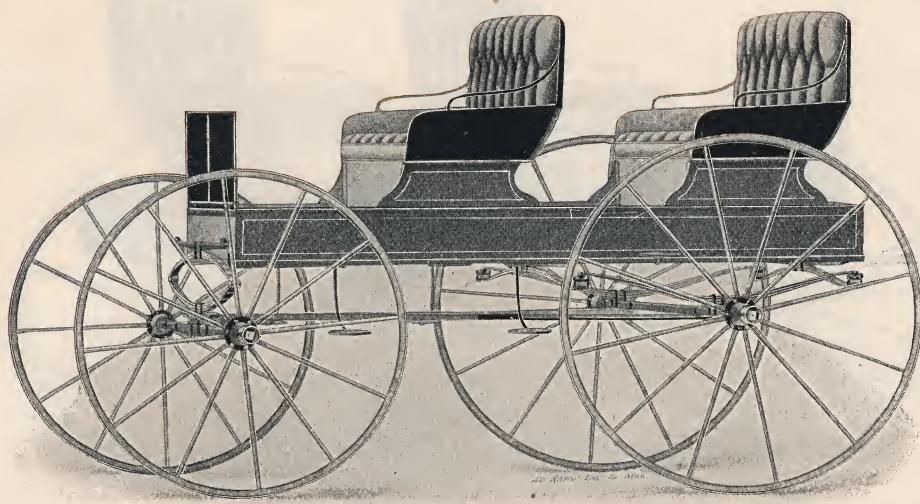
BODY—34 x 72 x 7 $\frac{1}{2}$ inches deep outside, select hardwood. Ironed all around the top of panels. Heavy braces inside, bolted to sides and bottom frame. Cushion 36 x 17 inches. Backs about 20 inches. Solid foot dash. Solid line rail.

GEAR—Three perch Concord side spring. 14 inch wrought circle. Axles 1 $\frac{1}{8}$ inch Lee & Porter long distance, dust proof. Track 4 feet 8 inches. Option 5 feet 2 inches. Shafts.

WHEELS—Sarven patent, select hickory, 41 and 45 inches high, 1 inch tread; or L. & J., 41 and 45 inches high, $\frac{3}{8}$ inch tread.

PAINTING—Body and seats black, neatly striped. Gear green or carmine, striping to harmonize.

UPHOLSTERING—Spring cushions and backs. Heavy union green cloth or cord. Leather extra. Approximate shipping weight, 700 pounds.



No. 31. Code: Dale.

BODY—32 x 78 inches, select hardwood. Drop end gate. Panel back seats about 34 x 17 inches on cushions; high backs.

GEAR—Second growth. Special heavy circle. Axles 1 $\frac{1}{2}$ inch double collar. Best elliptic steel spring in front; platform rear. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Brakes extra. Pole.

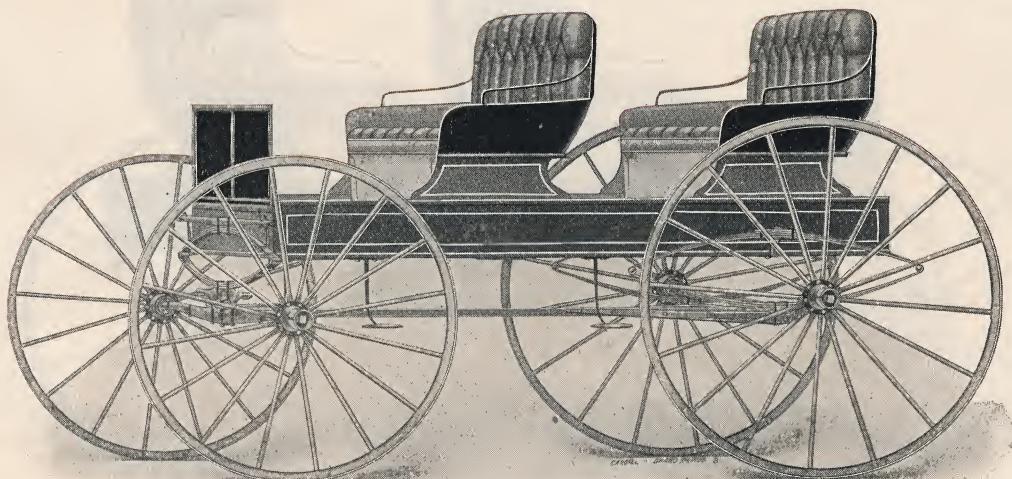
WHEELS—Selected hickory, Sarven patent, 1 inch tread, 41 and 45 inches high with round edge steel tire. Riveted rims extra.

PAINTING—Body black, neatly striped. Gear regular green. Option carmine.

UPHOLSTERING—Heavy union green cloth. Imitation leather or genuine leather extra.

TOP—This job can be furnished with full canopy top and side curtains if desired. See price list.

Approximate shipping weight, 850 pounds.



No. 31 $\frac{1}{4}$. Code: Dandy.

BODY—32 x 78 inches. Select hardwood; drop end gate; panel back seats, about 34 x 17 inches on cushions; high backs.

GEAR—Second growth. Special heavy circle. Axles 1 $\frac{1}{2}$ inch, double collar; three special full elliptic springs; drop hangers, giving very low suspension and wide rear entrance, making it very easy to get in and out. Track 4 feet 8 inches or 5 feet 2 inches. Shafts. Brakes extra.

WHEELS—Select hickory; Sarven patent; 1 inch tread; 38 and 42 inches regular; option 41 and 45 inches. Riveted rims extra.

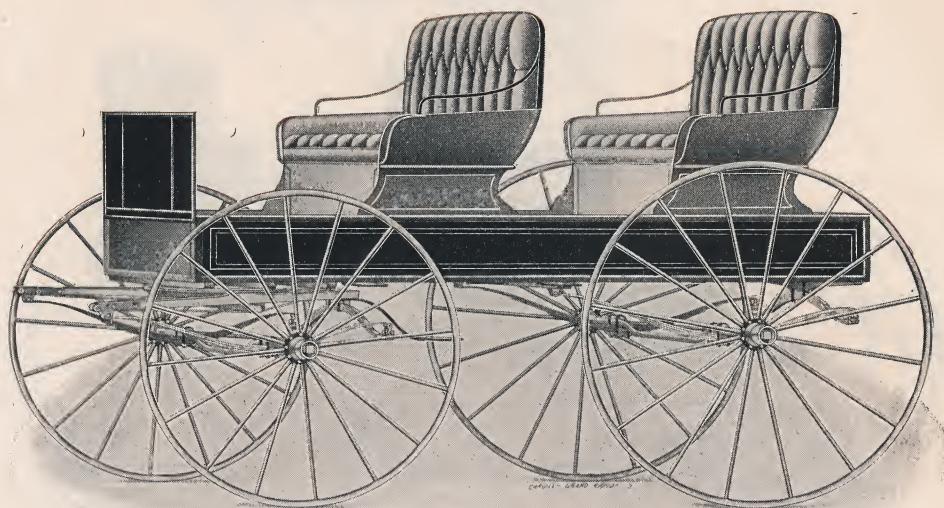
PAINTING—Body and seats black. Gear carmine or green, striping to harmonize.

UPHOLSTERING—Heavy union green cloth, corduroy or imitation leather. Leather extra.

TOP—Canopy and side curtains if desired.

Approximate shipping weight, 850 pounds.

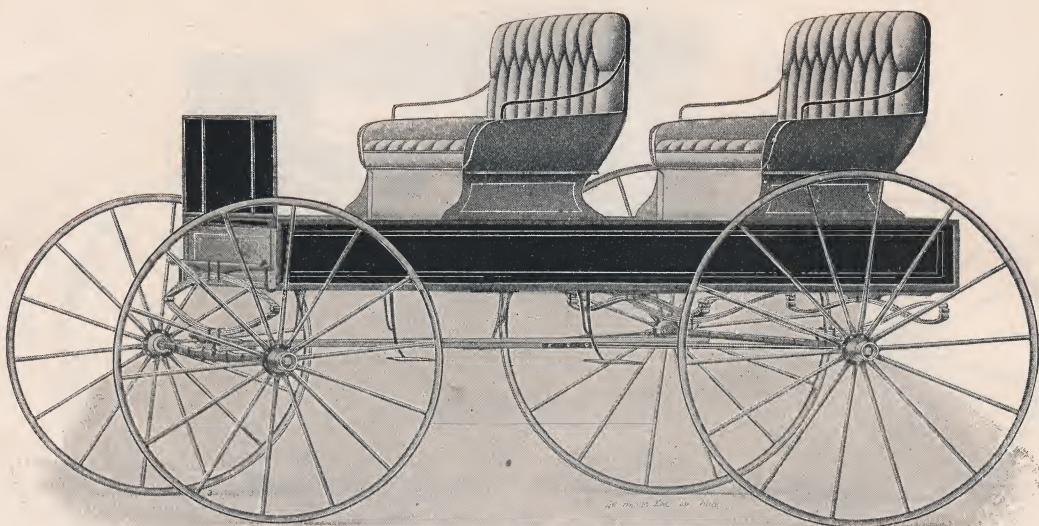
NOTE—This style with Hayes Spring Front will be No. 31 $\frac{1}{2}$. Code: Satum.



No. 117. Code: Wisely.

BODY—90 x 33 inches outside; drop end gate; panels bolted through top rail and sills; extra heavy angle irons inside, bolted to frame and side panels. Cushions 40 x 17; extra high backs. Steel corners.
GEAR—Platform, select hickory, ironed extra heavy, with truss and full circles. Axles 1½ double collar, coach and dropped. Springs, special. Track 4 feet 8 inches regular. Option 5 feet 2 inches. Brakes extra. Pole regular.

WHEELS—Select hickory, Sarven patent 41 and 45; 1½ inch tread, steel tires. Riveted rims extra.
PAINTING—Body black. Gear green or carmine, striped to harmonize.
UPHOLSTERING—Heavy union green cloth or imitation leather. Leather at extra cost.
TOP—Canopy, or duck if desired (see price list). Approximate shipping weight, 850 pounds.



No. 19. Code: Wane.

BODY—90 x 33 inches outside; drop end gate; panels bolted through top rail and sills; extra heavy angle irons inside, bolted to frame and side panels. Cushions 40 x 17 inches; extra high backs.

GEAR—Second growth, heavy 14 inch circle. Axles 1½ inch double collar; springs elliptic front, full platform rear, special grade oil tempered; reaches thoroughly braced and ironed full length. Track regular 4 feet 8 inches or 5 feet 2 inches. Brakes furnished at extra cost, also furnished with Hayes spring as shown in cut No. 19½, extra. Pole.

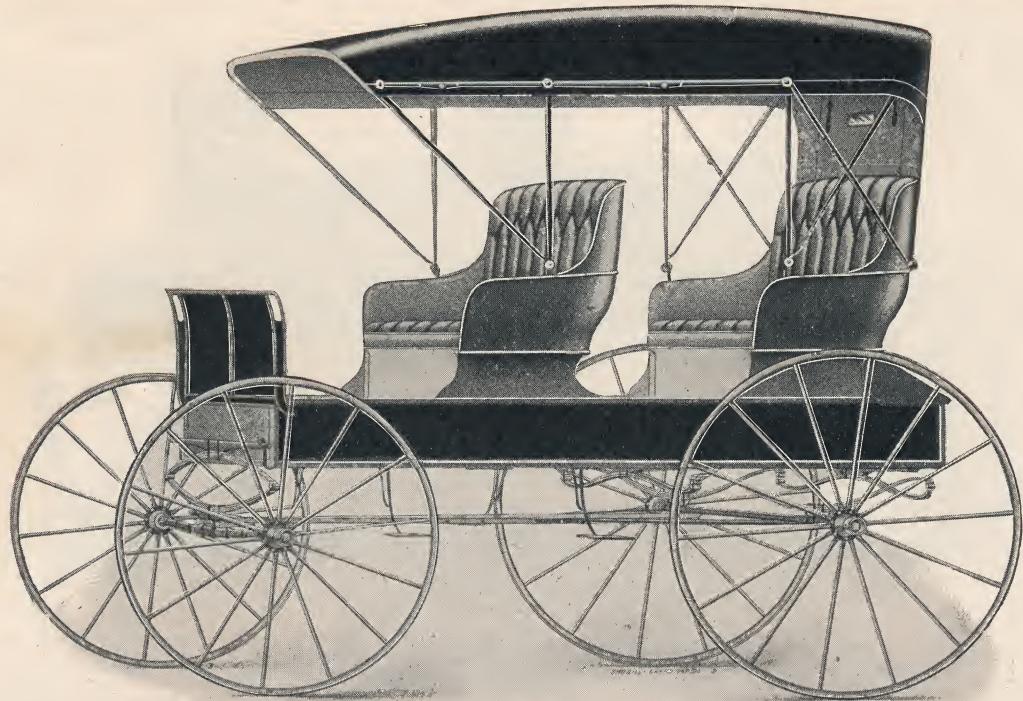
WHEELS—Select hickory, Sarven patent, 41 and 45 inches high; 1½ inch tread; steel tires, riveted rims at extra cost.

PAINTING—Body black. Gear green or carmine, striped to harmonize.

UPHOLSTERING—Heavy union green cloth or imitation leather, or leather at extra cost.

TOP—Canopy or duck if desired (see price list). Approximate shipping weight, 850 pounds.

NOTE—If three spring gear is desired in place of combination gear as shown, designate No. 21. Code: Wad.



No. 19-A. Code: Weft.

BODY—33 x 90 inches outside; drop end gate. Panels bolted through top rail and sills. Extra heavy angle irons inside bolted to frame and side panels. Wood frame boot on solid seat risers. Auto design seats. Cushions 18 x 36 inches. Backs 23 inches high.

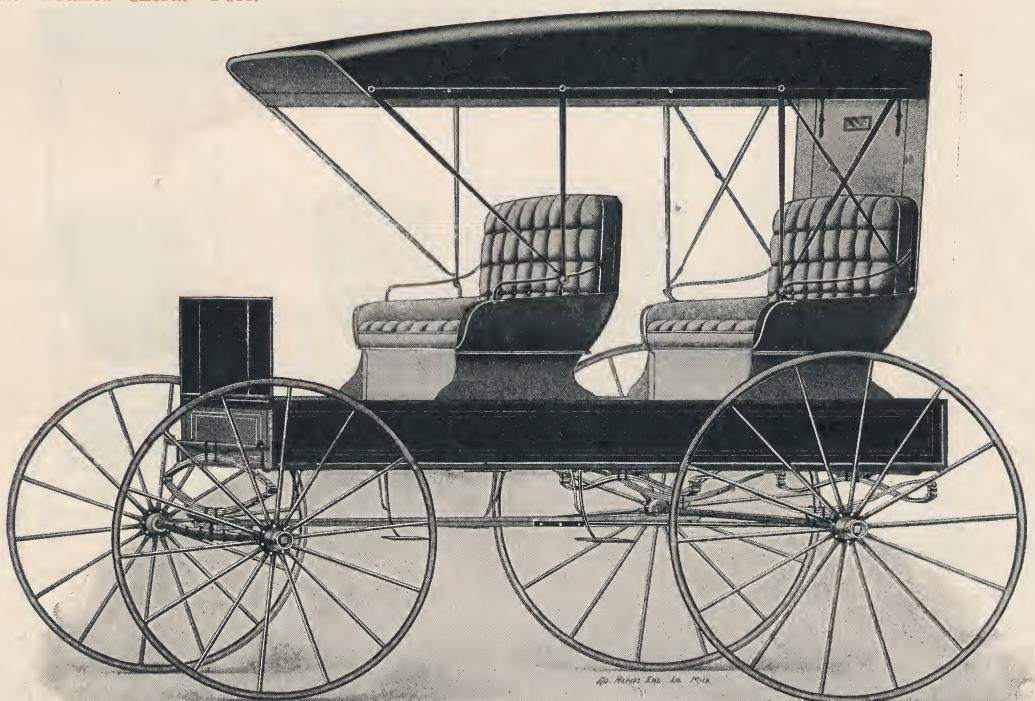
GEAR—Select second growth. Heavy 14 inch circle. Axles 1½ inch, double collar. Springs, Hayes front, full platform rear. Extra grade oil tempered. Reaches thoroughly braced and ironed full length. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Brakes extra. Pole.

WHEELS—Select hickory, Sarven patent, 41 and 45 inches. 1½ inch tread. Riveted rims, extra.

PAINTING—Body, black. Gear, green or carmine. Striped to harmonize.

UPHOLSTERING—Leather.

TOP—Auto design. Full rubber.



No. 119. Code: Wisdom.

BODY—33 x 90 inches outside; 8½ inch panels; drop end gate; panels bolted through sill and top rail; extra heavy angle irons inside, bolted to sills and side panels. Cushions 40 x 17 inches; extra high backs.

GEAR—Second growth, heavy 14 inch circle. Axles 1½ inch double collar; elliptic spring in front, full platform rear, special grade oil tempered; reaches strongly braced and ironed full length. Track regular 4 feet 8 inches or 5 feet 2 inches. Brakes furnished at extra cost, also furnished with Hayes spring as shown in cut No. 19½, extra. Pole.

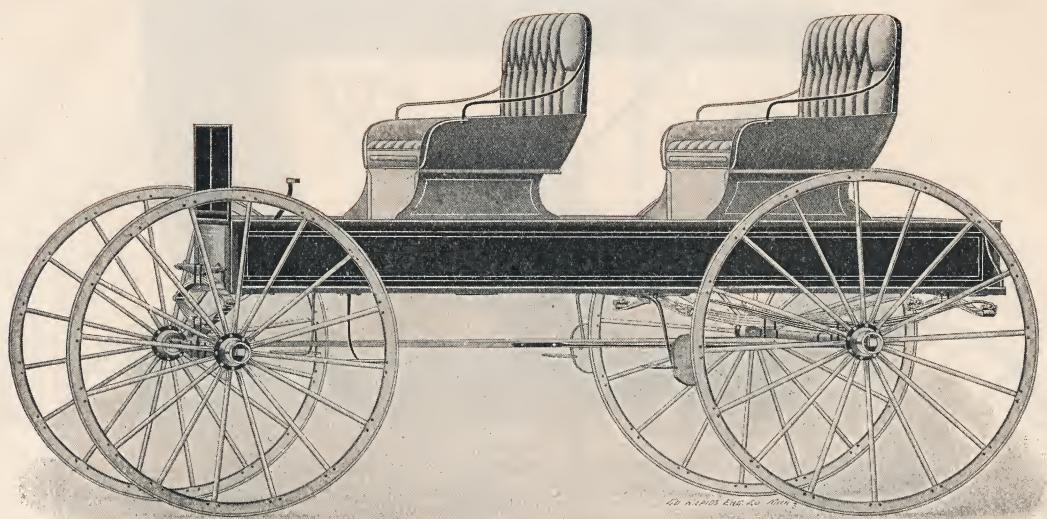
WHEELS—Selected hickory, Sarven patent, 41 and 45 inches; 1½ inch tread; steel tires, riveted rims extra.

PAINTING—Body black. Gear green or carmine, striped to harmonize.

UPHOLSTERING—Heavy union green cloth or imitation leather or leather at extra cost.

TOP—Full rubber or leather quarters with japanned bows; head lining to match trimmings.

Approximate shipping weight, 900 pounds.



No. 19 3/4. Code: Wealth.

BODY—Select hardwood frame and panels securely bolted and braced from top through panel and frame; size about 8 feet by 38 inches inside; drop end gate; very substantial, extra large seats, with high panel backs.

GEAR—Second growth; heavy 14 inch circle. Axles 1 1/4 inch double collar. Springs special oil tempered elliptic in front, full platform in rear. Quoted regular with pole and brake. Track 5 feet 2 inches only. This job can be furnished with Hayes spring in front at extra cost. Pole.

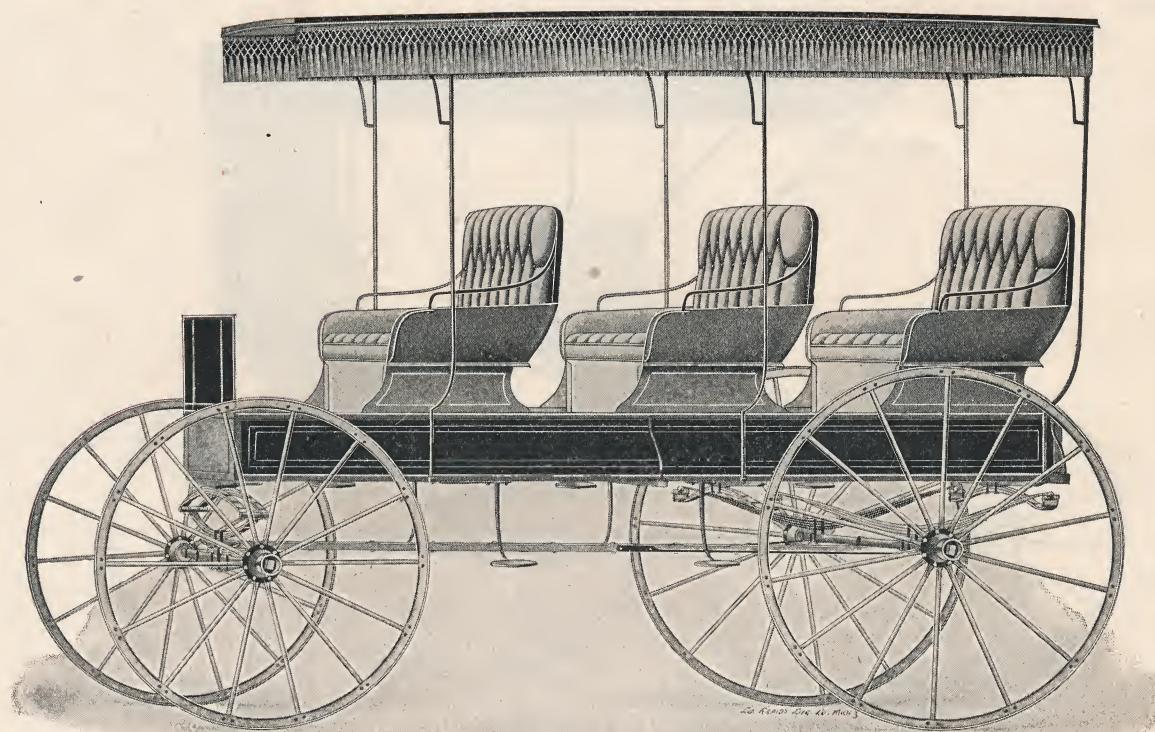
WHEELS—Selected hickory, Sarven patent, 1 1/4 inch tread, with extra heavy round edge steel tire, 41 and 45 inches high, with riveted rims regular.

PAINTING—Body black, neatly striped. Gear regular green, neatly striped. Option carmine.

UPHOLSTERING—Leather regular; priced with cloth or cord trimming on application.

TOP—This job can be furnished with canopy top and side curtains if desired. See price list.

Approximate shipping weight, 950 pounds.



No. 19 1/2. Livery Wagon. Code: When.

BODY—9 feet x 36 inches inside; hardwood sills and rails; panels securely fastened by bolts extending from top rail through panel and sills, ironed and braced. Cushions 17 x 44 inches; extra high back.

GEAR—Second growth. Axles 1 1/4 inch double collar. Best steel springs, extra heavy; full platform rear; Hayes spring in front. Also furnished with elliptic spring in front. See price list. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Brakes furnished, if desired, at extra cost. Pole.

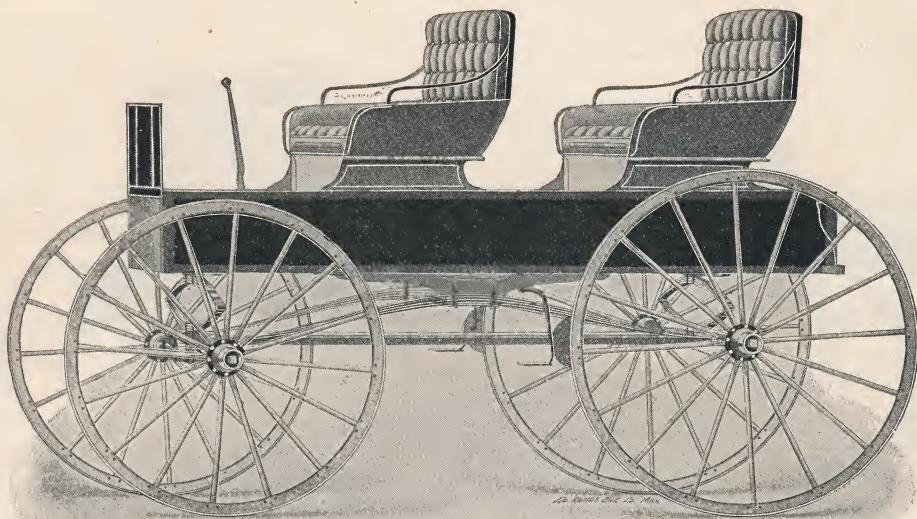
WHEELS—Selected hickory, Sarven patent, 1 1/4 inch tread, 41 and 45 inches high; extra heavy round edge steel tires. Riveted rims regular.

PAINTING—Body black, neatly striped. Gear green, neatly striped. Option carmine.

UPHOLSTERING—Heavy union cloth or imitation leather regular. Option genuine leather at extra cost. See price list.

TOP—Furnished regular with canopy top, either roll up or detachable side curtains. Also quoted open. Approximate shipping weight, 1250 pounds.

Note—This style with 9 foot body on full platform similar to 117 will be No 118. Code: Whisk.



No. 212. Code: Worth.

BODY—About 7 feet x 36 inches inside; seats about 40 x 16 inches, hardwood frame, drop end gate. Body strongly ironed, side panels are bolted down through the bottom of sill so they cannot spring or spread. Heavy corner irons, bolted to sills and top rails inside and outside.

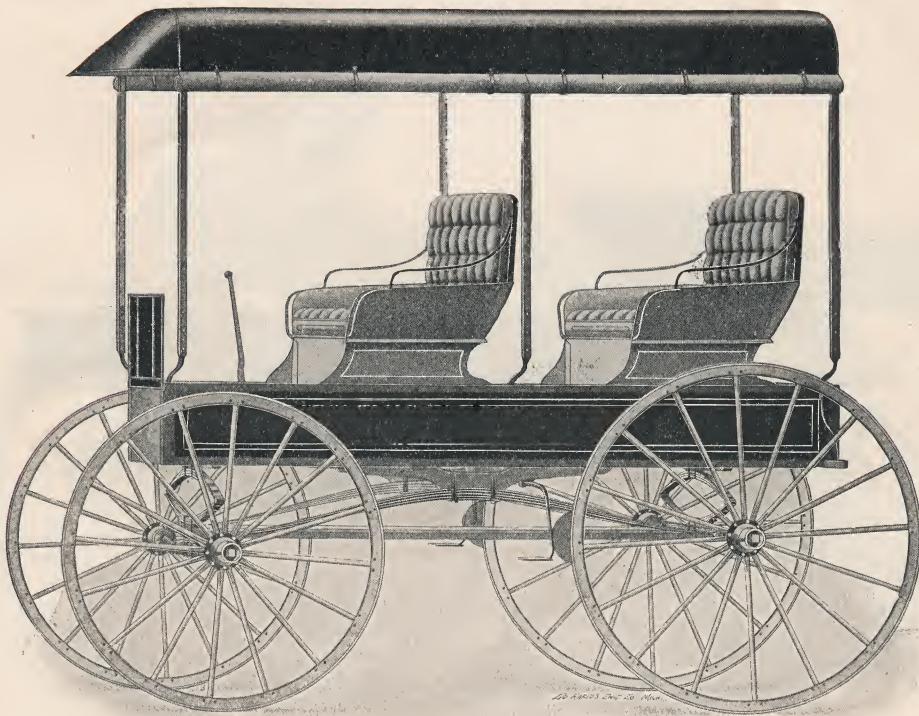
GEAR—Second growth. Three perch. Extra heavy 14 inch circle. Heavy Concord side springs with equalizers. Elliptic spring front and rear. Axles 1 1/4 inch double collar. Gear strongly braced across the reaches. Reaches ironed full length. Track 5

feet 2 inches regular, or 4 feet 8 inches. (We do not advise 4 feet 8 inch track—body being so wide.) Regular with pole and brake.

WHEELS—Selected hickory, Sarven patent, 1 1/4 inch tread, 42 and 48 inches high with heavy round edge steel tire. Riveted rims regular.

PAINTING—Body black. Gear green with neat striping. Option carmine gear.

UPHOLSTERING—Leather regular. Spring backs. Approximate shipping weight, 1000 pounds.



No. 212 1/2. Code: Winning.

BODY—7 feet x 36 inches inside with 9 3/4 inch panels. Cushions 40 x 16 inches, extra high back; hardwood frame, drop end gate; panels bolted through sills. Heavy corner irons bolted to sills and top rails inside and outside.

GEAR—Second growth; three perch; and elliptic and Concord side springs; reaches ironed full length, very strongly braced. Extra heavy 14 inch circle. Axles 1 1/4 inch double collar. Track 5 feet 2 inches regular, or 4 feet 8 inches. (We do not advise 4 feet 8 inch track—body being so wide.) Regular with pole and brake.

WHEELS—Selected hickory, Sarven patent, 1 1/4 inch tread, 42 and 48 inches high; steel tire, riveted rims.

PAINTING—Body black. Gear green or carmine, striped to harmonize.

UPHOLSTERING—Full leather, spring backs.

TOP—Extra heavy duck with back and side curtains. Approximate shipping weight, 1050 pounds.



No. 76. Code: Yacht.

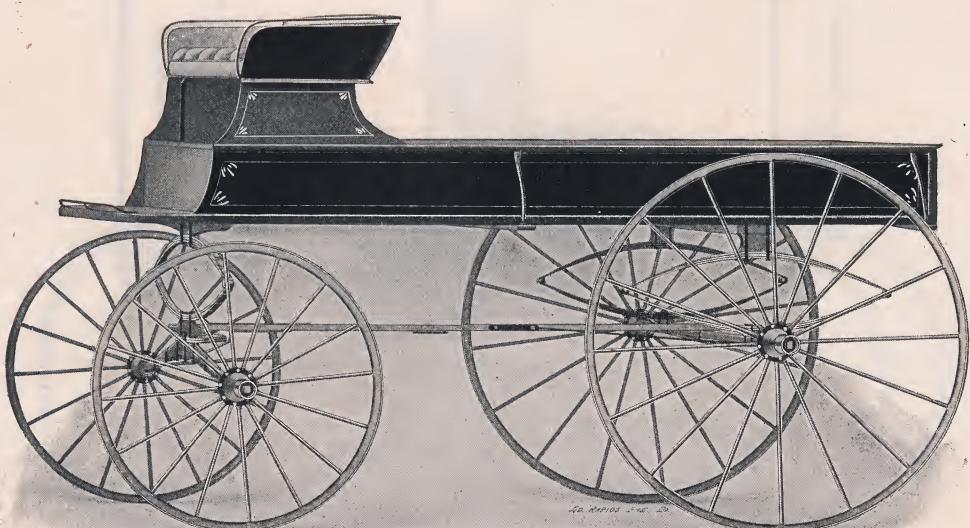
BODY—Best hardwood, about 7 feet x 34 inches inside; panels securely fastened by bolts extending from top rail through panels and frame. Bottom about $\frac{7}{8}$ inch thick and running lengthwise; drop end gate; seat handles.

GEAR—Single reach, well ironed and braced. Special short turn circle. Axles $1\frac{1}{2}$ inch double collar. Track 4 feet 8 inches regular. Option 5 feet 2 inches. Brakes extra. Shafts.

WHEELS—Best hickory. Sarven patent, 41 and 45 inches high; $1\frac{1}{2}$ inch tread with heavy round edge steel tire. Riveted rims extra.

PAINTING—Body green, neatly striped. Gear carmine. Option green. Maroon body and straw color, gear extra. Lettering extra.

UPHOLSTERING—Imitation leather regular. Leather extra. Seat handles. Approximate shipping weight, 600 pounds.



No. 77. Code: Yak.

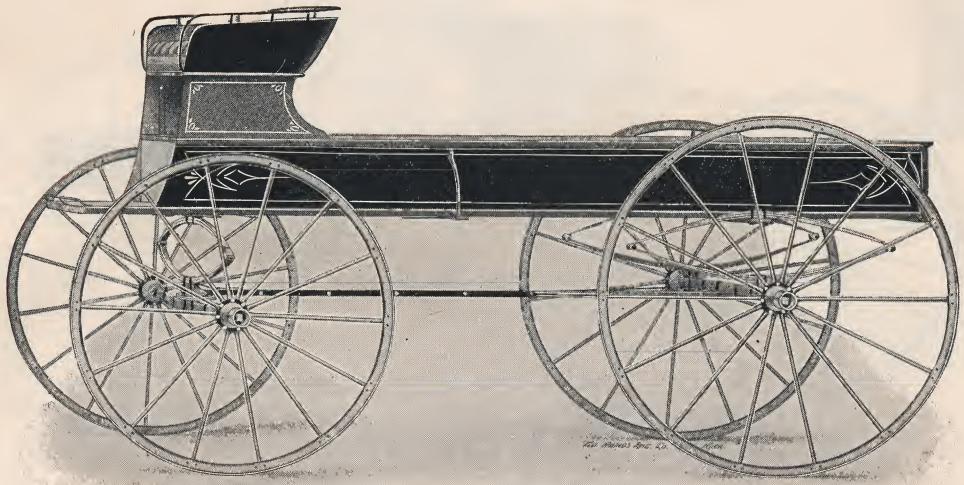
BODY—Select hardwood frame and panels, about 7 feet 6 inches by 38 inches inside; panels securely fastened with bolts extending from top rail through panels and frame. Bottom about $\frac{7}{8}$ inch thick, running lengthwise; extension toe board; drop end gate. Seat handles. No rail on seat.

GEAR—Single reach turn under, well ironed and braced, with special heavy king bolt and fifth wheel. Axles $1\frac{1}{4}$ inch double collar, high arch in front; three springs. Track 4 feet 8 inches. Option 5 feet 2 inches. Brakes extra. Shafts.

WHEELS—Best Sarven patent, 32 and 42 inches high; $1\frac{1}{2}$ inch tread. Heavy round edge steel tire. Riveted rims extra.

PAINTING—Body green regular. Gear carmine, neatly striped. Option green. Maroon body and straw color gear extra. Lettering extra.

UPHOLSTERING—Imitation leather cushion regular. Leather extra. Approximate shipping weight, 650 pounds.



No. 86. Code: Yelp.

BODY—Select hardwood throughout; panels securely bolted, bolts extending from top rails through panels and frame; extra well braced. Inside measurement about 8 feet by 37 inches. Bottom about 1 inch hardwood, running lengthwise, reinforced by six iron straps; drop end gate. Seat handles; no seat rails.

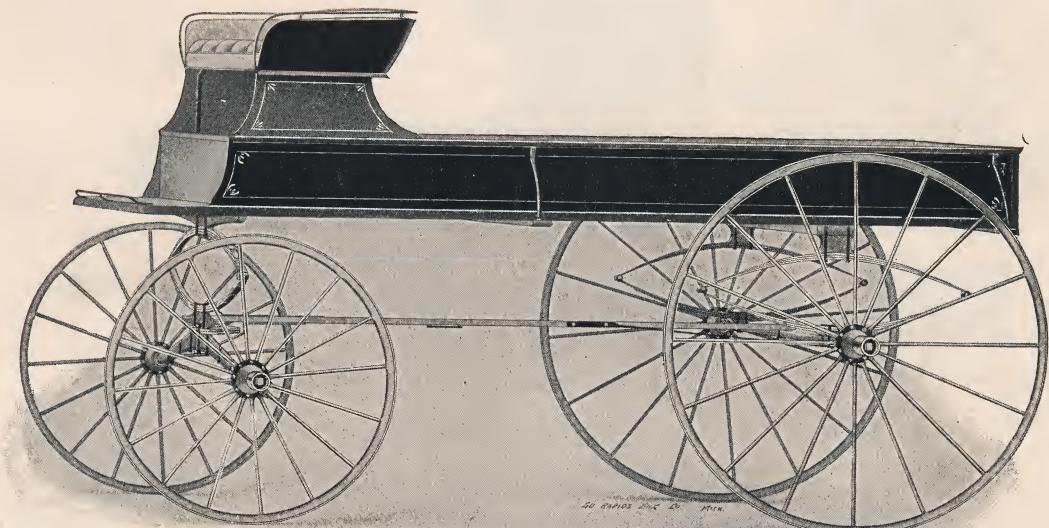
GEAR—Single reach, heavily ironed and braced. Special short turn circle. Axles 1 $\frac{1}{4}$ inch double collar. Track 4 feet 8 inches regular. Option 5 feet 2 inches. Brakes extra. Shafts.

WHEELS—Best hickory, Sarven patent, 41 and 45 inches high, 1 $\frac{1}{4}$ inch tread, with heavy round edge steel tire. Riveted rims extra.

PAINTING—Body green regular, neatly striped. Carmine gear. Option green. Maroon body and straw color gear extra. Lettering extra.

UPHOLSTERING—Imitation leather regular. Leather extra.

Approximate shipping weight, 750 pounds.



No. 87. Code: Yield.

BODY—Select hardwood frame and panels, thoroughly braced; panels bolted through top rails and frame to prevent spreading. Heavy hardwood bottom, running lengthwise, reinforced with six iron straps. Dimensions about 8 feet by 42 inches inside; extension toe board; drop end gate. Seat handles. No seat rails.

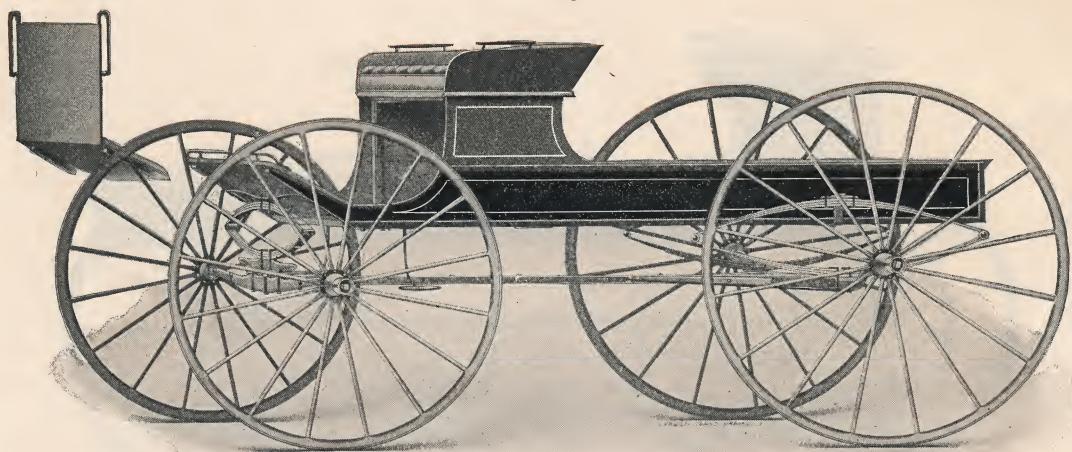
GEAR—Single reach, extra heavy ironed and braced. Special heavy fifth wheel and king bolt. Axles 1 $\frac{1}{4}$ inch double collar, high arch in front. Track 4 feet 8 inches regular. Option 5 feet 2 inches. Brakes extra. Shafts.

WHEELS—Best hickory, Sarven patent, 1 $\frac{1}{4}$ inch tread, 32 and 42 inches high, extra heavy round edge steel tire. Riveted rims extra.

PAINTING—Body green. Gear carmine, neatly striped. Option green. Option maroon body and straw color gear extra. Lettering extra.

UPHOLSTERING—Imitation leather regular. Leather extra. Seat handles; no rail.

Approximate shipping weight, 800 pounds.



No. 79. Code: Yearn.

BODY—35 x 84 inches outside (not including toe board). Select hardwood frame with bottom bars framed and bolted to sills; panels securely fastened by bolts extending through the top rails, panels and sills. $1\frac{1}{2} \times \frac{1}{8}$ inch steel plates extending from front of toe board to seat risers, making it impossible for toe to break down as is often the case in this style of wagon. Seat risers securely fastened to frame with extra heavy angle irons. This body can also be equipped with wood dash and solid irons bolted through toe board and bracket, as illustrated. Body steps.

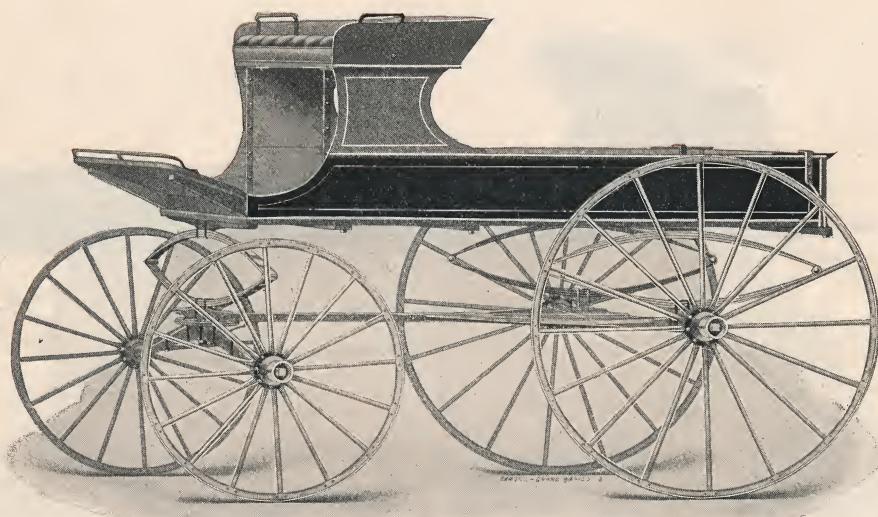
GEAR—Single reach, wood hound, heavily ironed and braced. Wrought iron clips and forgings. Special circle. Springs special high grade elliptic. Axles

$1\frac{1}{8}$ inch double collar, drop front and back, wood cap. These axles are dropped in order to hang the body extra low. Steel spanner irons on front spring, clipped. Track 4 feet 8 inches or 5 feet 2 inches. Brakes extra. Shafts ironed with extra heavy "T" irons.

WHEELS—38 and 42 inches, Sarven patent, regular. Option 41 and 45 inches. $1\frac{1}{8}$ inch round edge steel tire. Riveted rims extra.

PAINTING—Body green or dark red. Gear carmine or green, striping to harmonize.

UPHOLSTERING—Wood slat cushion regular, or imitation leather. Leather extra. Approximate shipping weight, 700 pounds.



No. 185. Code: Yodel.

BODY—36 x 72 inches inside (this does not include toe board); $8\frac{1}{2}$ inches deep outside. Hardwood frame; thick panels bolted through top rail, sills and bottom bars; $\frac{3}{4}$ bottom, ironed lengthwise with $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$ angle irons on back of shutlock, fully protecting corners as illustrated with $187\frac{1}{2}$. Seat riser and seat securely fastened to body with irons on inside and bolted to bottom frame. Toe board on front of body ironed and bolted through toe brackets.

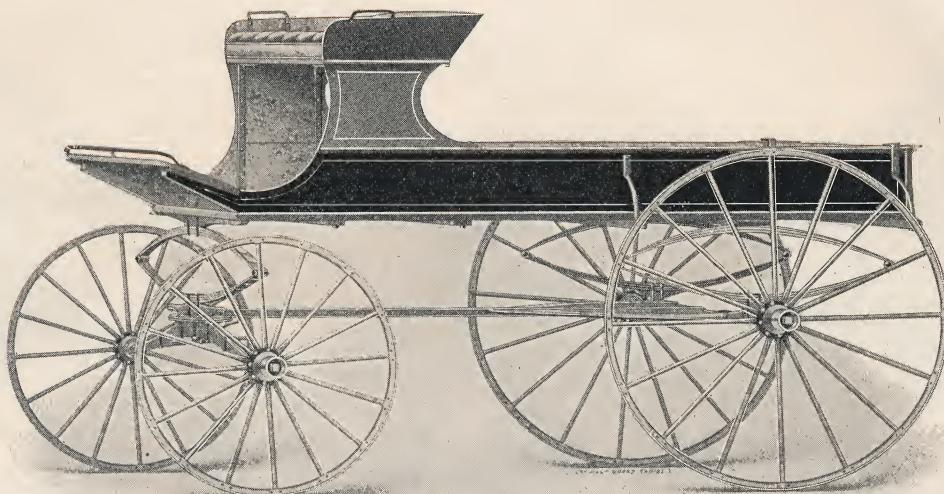
GEAR—Single reach, wood hound gear; heavy irons and braces with wrought clips and forgings. Special circle. Springs special high grade elliptic. Axles

$1\frac{1}{8}$ inch double collar. Track 4 feet 8 inches or 5 feet 2 inches. Shafts double bend, extra grade hickory, with heavy hand forged "T" irons. Brakes and flare boards extra.

WHEELS—32 and 42, extra grade hickory, Sarven patent. $1\frac{1}{8} \times \frac{1}{8}$ round edge steel tire. Riveted rims extra.

PAINTING—Body green or dark red. Gear carmine or green. Other colors extra, striping to harmonize.

UPHOLSTERING—Imitation leather, or wood slat cushion regular. Cloth or leather extra. Approximate shipping weight, 750 pounds.



No. 186. Code: Yonder.

BODY—42x84 inches inside (this does not include toe board); 8½ inches deep outside. Hardwood frame; thick panels bolted through top rail, sills and bottom bars; ¾ bottom, ironed lengthwise with 1½ x 1½ x ½ angle irons on back of shutlock, fully protecting corners as illustrated with 187½. Seat riser and seat securely fastened to body with irons on inside and bolted to bottom frame. Toe board on front of body ironed and bolted through toe brackets.

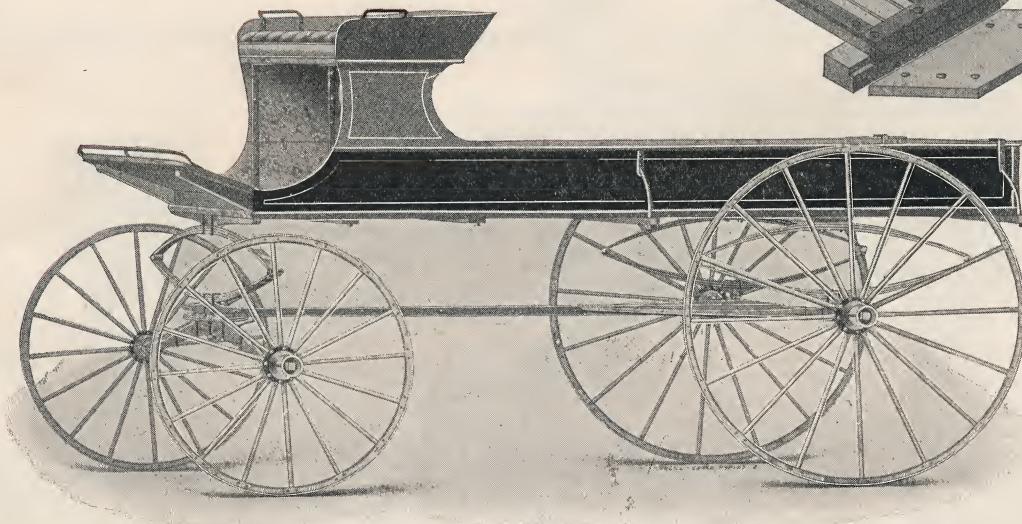
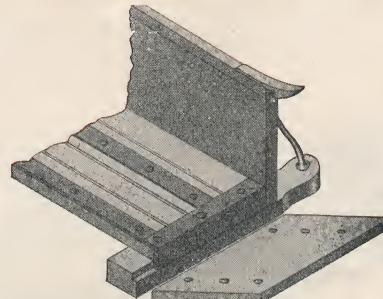
GEAR—Single reach, wood hound gear; heavy irons and braces with wrought clips and forgings. Special circle. Springs special high grade elliptic. Axles

1½ inch double collar. Track 4 feet 8 inches or 5 feet 2 inches. Shafts double bend, extra grade hickory, with heavy hand forged "T" irons. Brakes and flare boards extra.

WHEELS—32 x 42, extra grade hickory, Sarven patent. 1½ x ¾ round edge steel tire. Riveted rims extra.

PAINTING—Body green or dark red. Gear carmine or green. Other colors extra, striping to harmonize.

UPHOLSTERING—Imitation leather, or wood slat cushion regular. Cloth or leather extra. Approximate shipping weight, 850 pounds.



No. 187½. Code: Yew.

BODY—42 x 96 inches inside (this does not include toe board); 8½ inches deep outside. Hardwood frame; thick panels bolted through top rail, sills and bottom bars; ¾ bottom, ironed lengthwise with 1½ x 1½ x ½ angle irons on back of shutlock, fully protecting corners as illustrated on drawing. Seat riser and seat securely fastened to body with irons on inside and bolted to bottom frame. Toe board on front of body ironed and bolted through toe brackets.

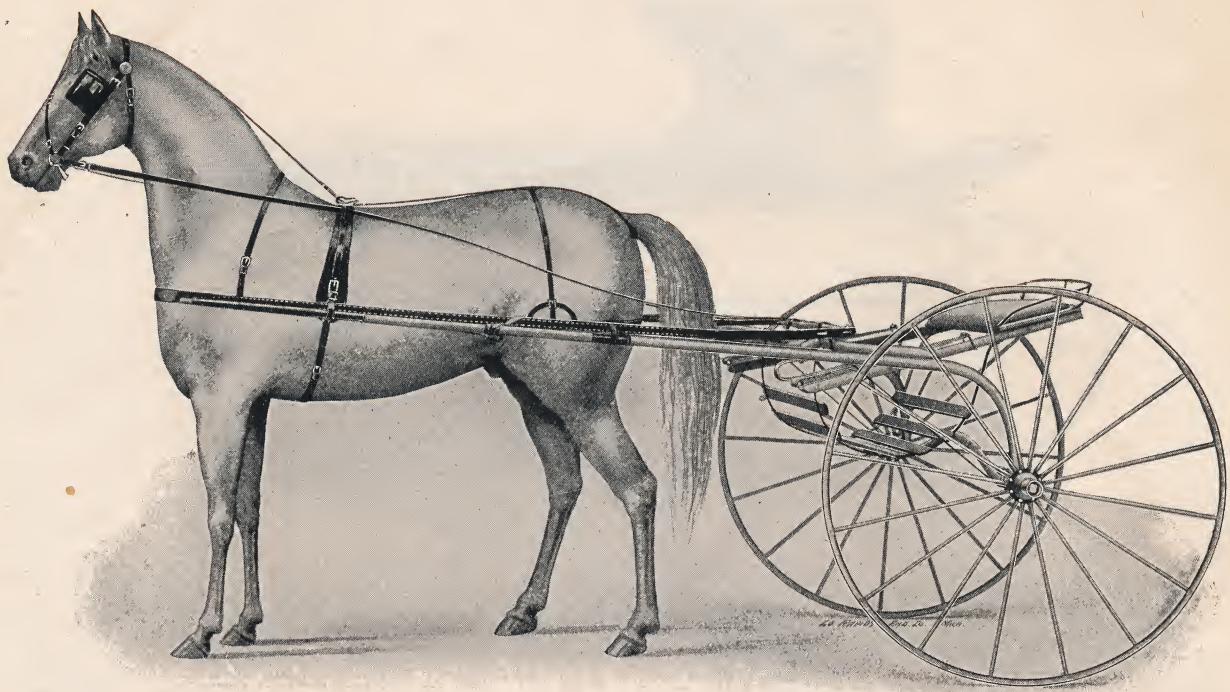
GEAR—Single reach, wood hound gear; heavy irons and braces with wrought clips and forgings. Special circle. Springs special high grade elliptic. Axles

1½ inch double collar. Track 4 feet 8 inches or 5 feet 2 inches. Shafts double bend, extra grade hickory, with heavy hand forged "T" irons. Brakes and flare boards extra.

WHEELS—32 and 42, extra grade hickory, Sarven patent. 1½ x ¾ round edge steel tire. Riveted rims extra.

PAINTING—Body green or dark red. Gear carmine or green. Other colors extra, striping to harmonize.

UPHOLSTERING—Imitation leather, or wood slat cushion regular. Cloth or leather extra. Approximate shipping weight, 900 pounds.



No. 2. Spring Cart. Code: Quake.

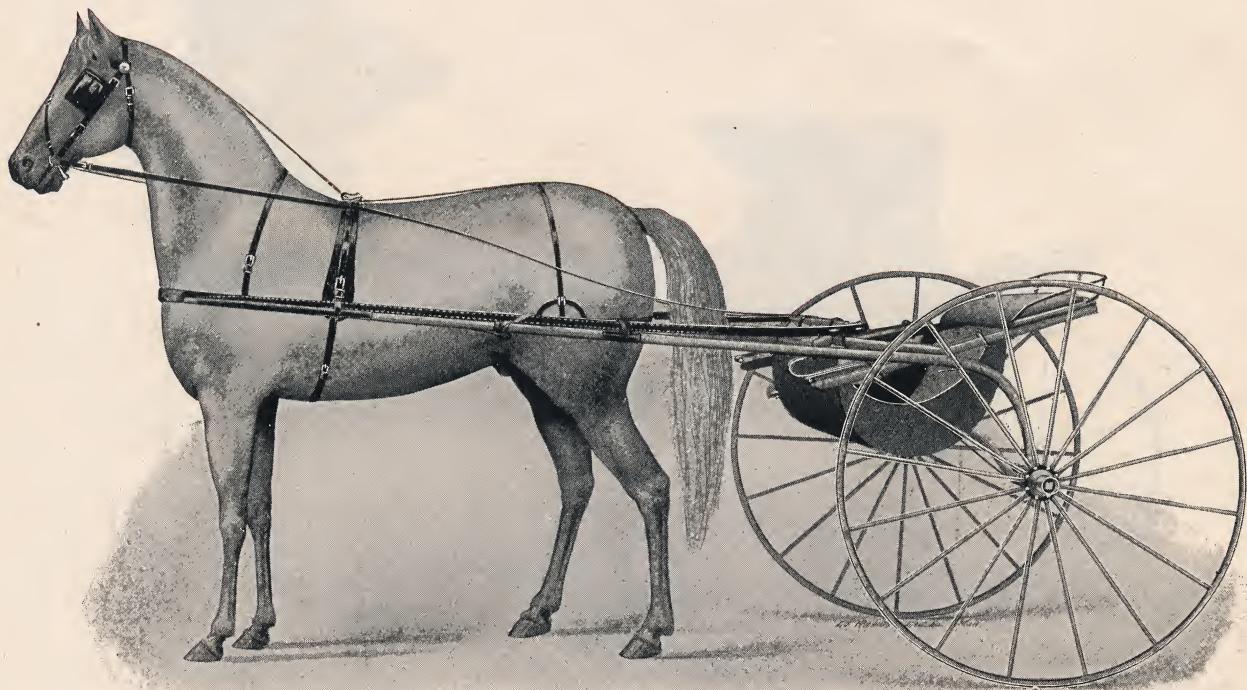
The "Old Reliable," one of the originals that has stood the test of time; not a cheap made cart, but a good grade, well made and solid job, sold cheap. Axles 1 inch double collar. Track regular 4 feet 8 inches. Option 5 feet 2 inches.

WHEELS— $\frac{3}{8}$ inch tread; 48 inches high; Sarven patent.

TRIMMINGS—Cloth or imitation leather.

PAINTING—Regular carmine. Option green.

Approximate shipping weight, 150 pounds.



No. 2½. Spring Cart. Code: Qualm.

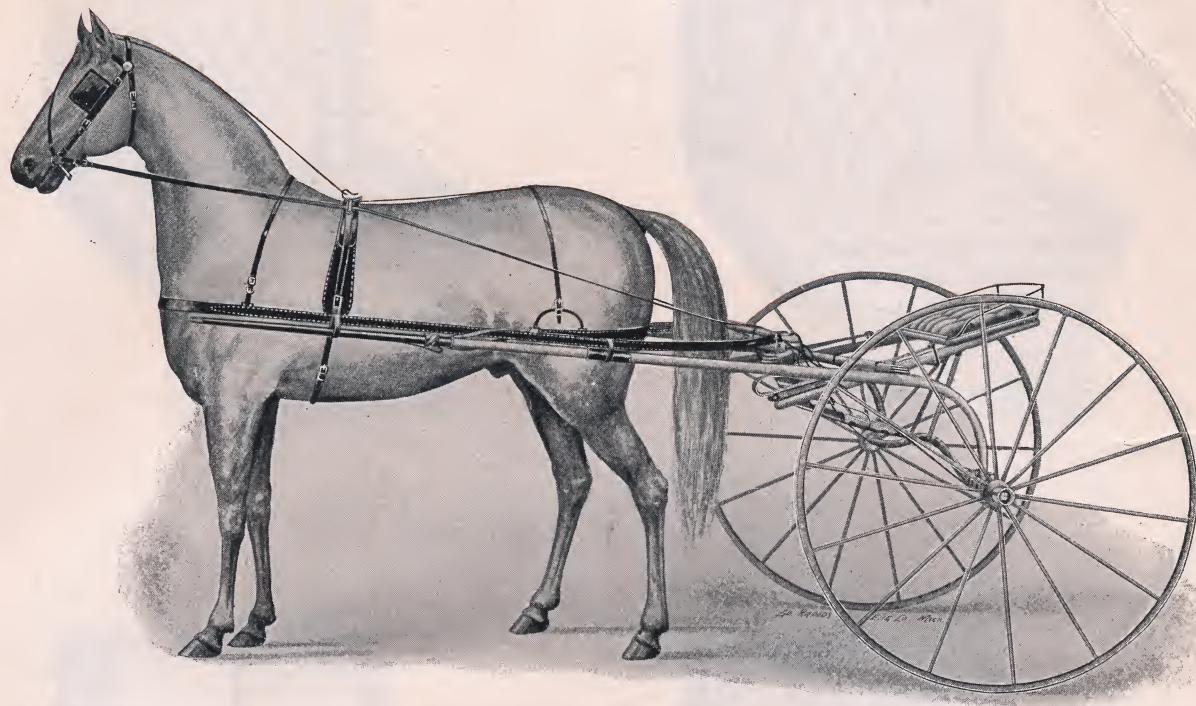
The "Old Reliable," one of the originals that has stood the test of time; not a cheap made cart; but a good grade, well made and sold cheap. Axles 1 inch double collar. Track regular 4 feet 8 inches. Option 5 feet 2 inches. Has solid hardware boot, tightly matched, as shown in illustration. A very desirable cart for muddy roads.

WHEELS— $\frac{3}{8}$ inch tread; 48 inches high; Sarven patent.

TRIMMINGS—Cloth or imitation leather.

PAINTING—Carmine regular. Option green.

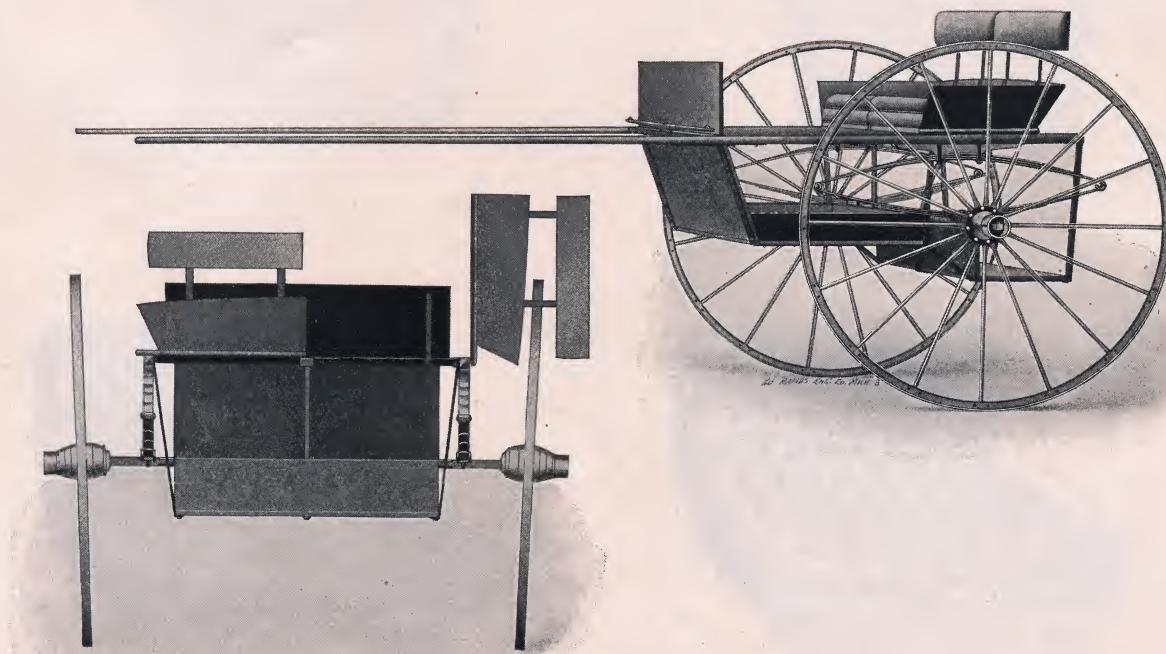
Approximate shipping weight, 150 pounds.



No. 5. Speeder Cart. Code: Quay.

A Strictly High Grade Cart, built in the best and most approved manner throughout; popular for light track and jogging purposes. So arranged that the boot can be removed in a second's time so the stirrups can be used, or you can draw up the three back straps so as to bring the boot on a level with the seat bars, out of the way of the wheel, and in this

way relieve the cart from the springy motion. Made from choicest second growth hickory throughout. 4 foot 8 inch track only.
WHEELS—50 inches high; wood hub; $\frac{3}{4}$ inch tread.
TRIMMINGS—Best wool green cloth or whipcord.
PAINTING—Regular carmine. Special colors to order. Approximate shipping weight, 100 pounds.

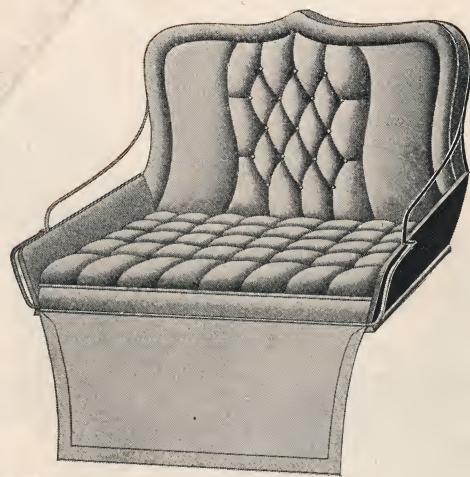


No. 328. Oakland. Code: Quick.

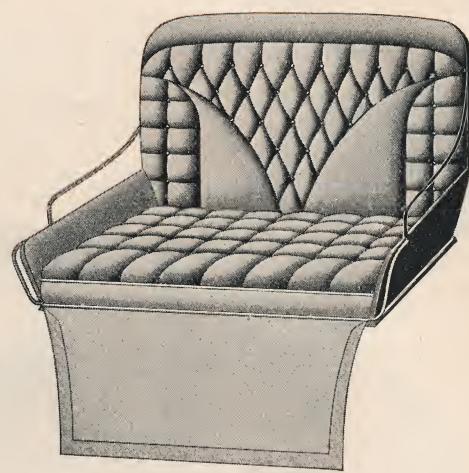
BODY—34 x 44 inches; $\frac{3}{4}$ bottom with two full length steel plates bolted on body.
SEAT—Hinged to shafts with special made hinges turning over wheels until lazy back iron rests on rim, giving a very wide rear entrance. Cushion 15 x 38. Back about 16 inches. Shafts 74 inches front of bar, select second growth; hand forged "T" irons, extra long.

WHEELS—45 inches, $1\frac{1}{2}$ tread; riveted rims; Sarven patent, selected hickory. Axles 1 $\frac{1}{2}$ inch double collar coached bed. Track 4 feet 8 inches. Springs full elliptic, oil tempered, special grade, elliptic.
PAINTING—Body and seat black. Gear carmine or yellow, striped to harmonize. Trimmings imitation leather. Approximate shipping weight, 375 pounds.

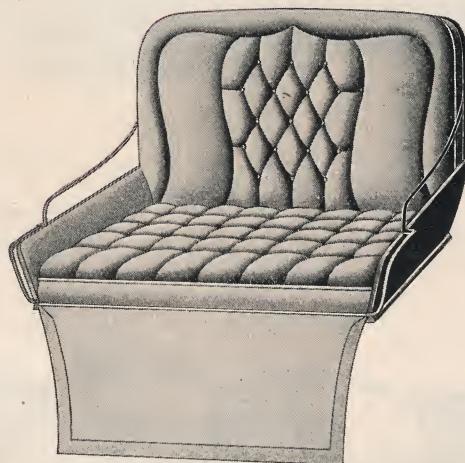
MICHIGAN BUGGY COMPANY M



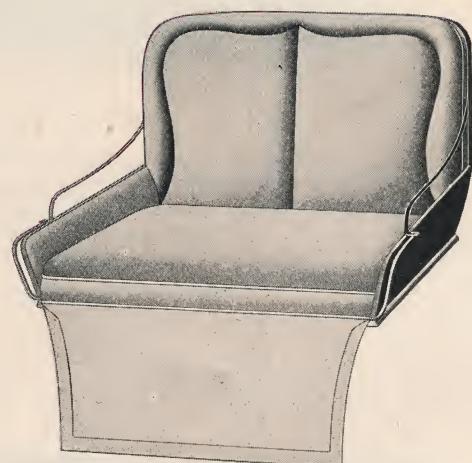
No. 6 1/2.



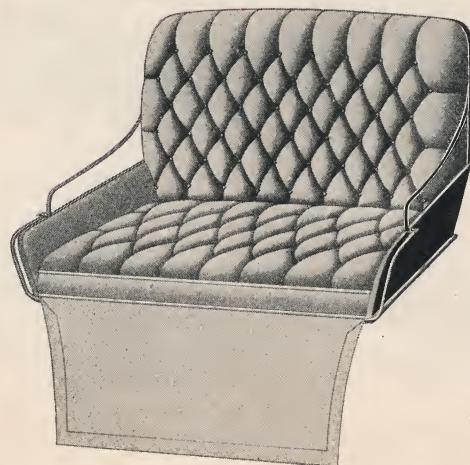
No. 49.



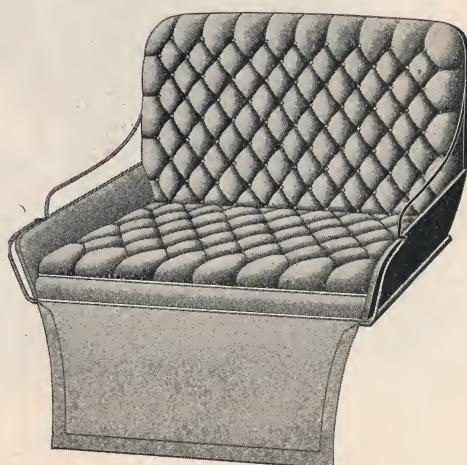
No. 6.



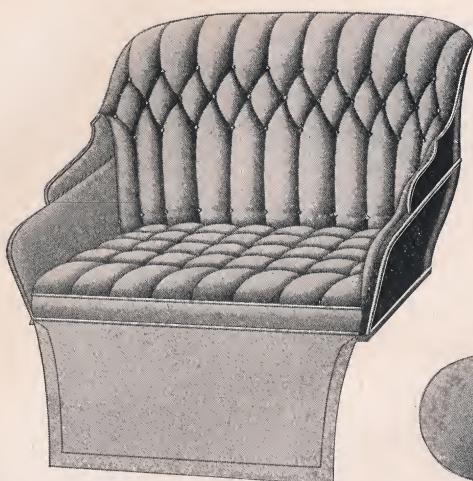
No. 4.



No. 0.

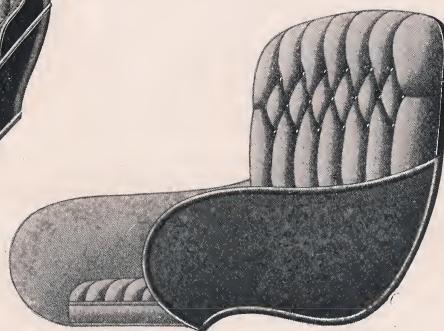


No. 0 1/2.

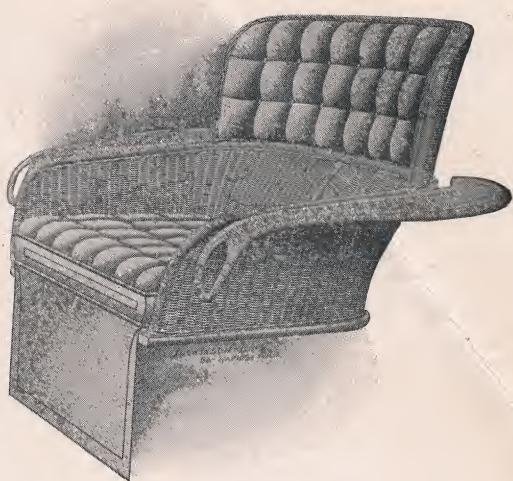


No. 60 Seat.

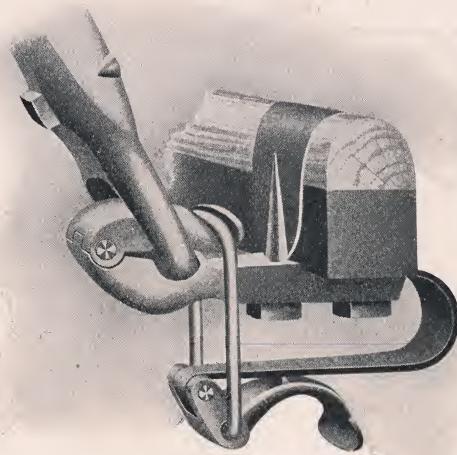
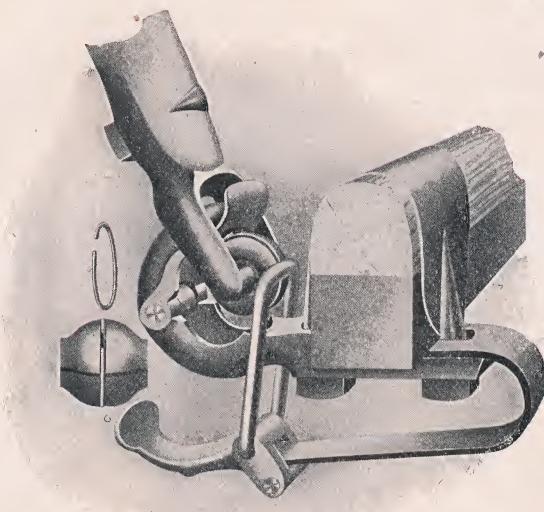
This trimming design can be used on any buggy seat.



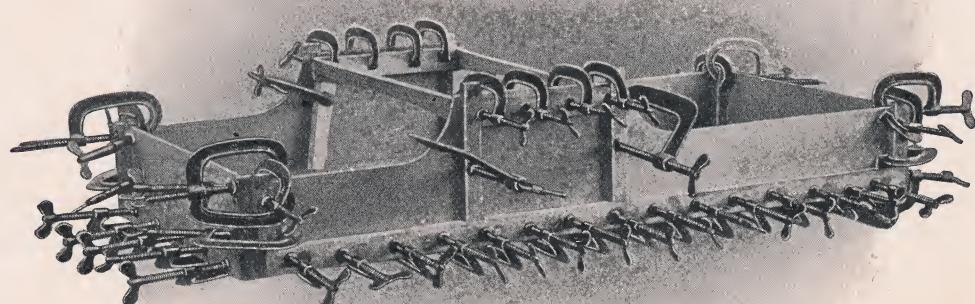
No. 2 Phaeton Seat.



No. 46.



All our lumber is air dried. Body panels are poplar; frames, white ash, glued, clamped and allowed to set from at least ten to twelve hours. We use special French carriage glue, wherein it would be superfluous to screw and plug panels put on this way. On this page are photographs of one of our bodies and set of axles taken out of the works.





¶ The Riverside Pony Farm, of which Messrs. Lane & Lay are owners, have a large stock of ponies, well trained for carriage and saddle purposes, in all sizes and colors, at very reasonable prices.

No. 267. Pony Trap. Code: Actus.

BODY—Select hardwood frame; poplar panels. Full length steel rocker plates. Can be used all facing front or dos-a-dos. One-half of front seat lifting up to allow entrance to rear seat. Wrought frame solid foot dash. Cushions 14 x 30.

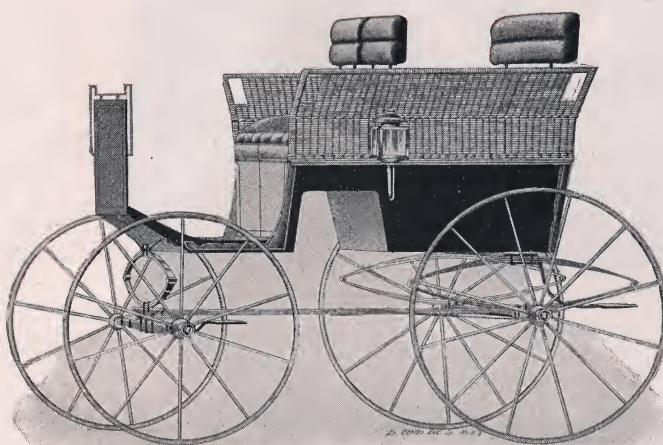
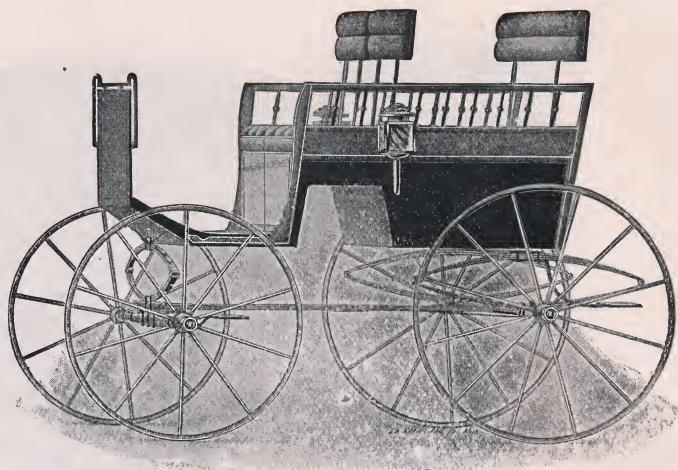
GEAR—Select second growth, substantially ironed. Axles $\frac{3}{8}$ inch double collar, swaged. Track 3 feet 10 inches. Bradley shackles. Nickel axle nuts. Shafts.

WHEELS—Best grade banded wood hub, $\frac{3}{4}$ inch tread, 28 and 34 inches high. Option 30 and 36 inches.

PAINTING—Body black. Small size panels and spindles color to harmonize with gear. Gear regular carmine with black striping. Option green, black, blue or yellow; striping to correspond.

UPHOLSTERING—Heavy all wool green or blue cloth. Option latest style cords. Velvet carpet.

Approximate shipping weight, 425 pounds.



No. 269. Pony Trap. Code: Adaw.

BODY—Select hardwood frame; poplar panels. Full length steel rocker plates. Can be used all facing front or dos-a-dos. One-half of front seat lifting up to allow entrance to rear seat. Wrought frame solid foot dash. Cushions 14 x 30.

GEAR—Select second growth, substantially ironed. Axles $\frac{3}{8}$ inch double collar, swaged, finest steel. Track 3 feet 10 inches. Bradley shackles. Nickel axle nuts. Shafts.

WHEELS—Best grade banded wood hub, $\frac{3}{4}$ inch tread, 28 and 34 inches high. Option 30 and 36 inches.

PAINTING—Body black. Rattan finished in natural color. Gear carmine regular, black striping. Option green, blue, black or yellow, striping to correspond.

UPHOLSTERING—Heavy all wool green or blue cloth. Option latest style cords. Velvet carpet.

This style with curved side panels similar to 221 will be No. 268. Code: Accuto.

Approximate shipping weight, 425 pounds.

Style No. 247.

Pony Trap. Code: Acheta.

BODY—Select hardwood frame; poplar panels. Full length steel rocker plates. Wrought frame solid foot dash. A dos-a-dos trap for two or four passengers, changing from one to the other in a second's time by raising or lowering the tail gate. Cushions 15 x 30.

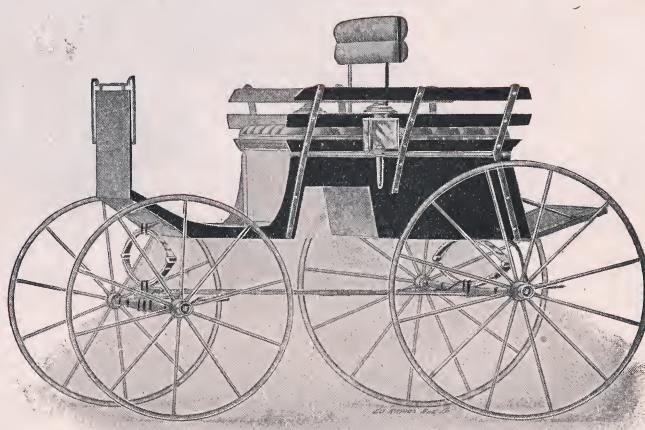
GEAR—Select second growth. All Norway iron forgings. Axles $\frac{3}{4}$ inch double collar, swaged. Springs extra fine elliptic. Track 3 feet 10 inches. Bradley shackles. Nickel axle nuts. Shafts.

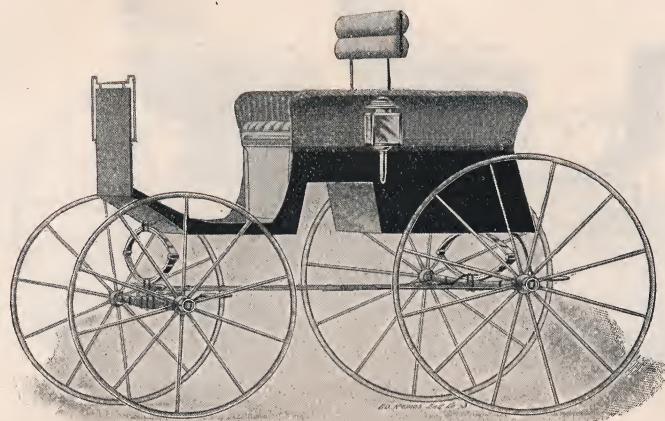
WHEELS—Best grade banded wood hub, $\frac{3}{4}$ inch tread, 28 and 34 inches high. Option 30 and 36 inches high.

PAINTING—Body black. Gear carmine regular, black striping. Option green, blue, black or yellow, striping to correspond.

UPHOLSTERING—Heavy all wool green or blue broadcloth. Option latest whipcord. Velvet carpet.

Approximate shipping weight, 375 pounds.





No. 249½. Pony Trap. Code: Acno.

BODY—Select hardwood frame; poplar panels. Full length steel rocker plates. Wrought frame solid foot dash. Best German rattan wings with solid forged wrought iron frame. A two or four passenger dos-a-dos trap, which can be changed from one to the other in a second's time by pulling down the tall gate. Cushions 15 x 30.

GEAR—Best second growth throughout. All Norway iron forgings. Axles $\frac{3}{4}$ inch double collar, swaged, finest steel. Springs extra fine elliptic. Track 3 feet 10 inches. Bradley shackles. Nickel axle nuts. Shafts.

WHEELS—Best grade banded wood hub, $\frac{3}{4}$ inch tread, 28 and 34 inches high. Option 30 and 36 inches high.

PAINTING—Body black. Wings finished in natural color. Gear regular carmine, black striping. Option green, black, blue or yellow, striping to correspond.

UPHOLSTERING—Heavy all wool green or blue broadcloth. Option latest whipeord. Velvet carpet.

NOTE—This style with curved side panels like 221 will be No. 249. Code: Acido. Approximate shipping weight, 375 pounds.

No. 221. Code: Abronto.

BODY—Select hardwood frame; poplar panels. Wrought frame leather dash. Curved panel sides. A dos-a-dos trap for two or four passengers, changed from one to the other in a second's time by raising or lowering the tail gate. Cushions 15 x 30.

GEAR—Best second growth throughout. All Norway iron forgings. Axles $\frac{3}{4}$ inch double collar, swaged, finest steel. Springs extra fine elliptic. Track 3 feet 10 inches. Bradley couplers. Shafts.

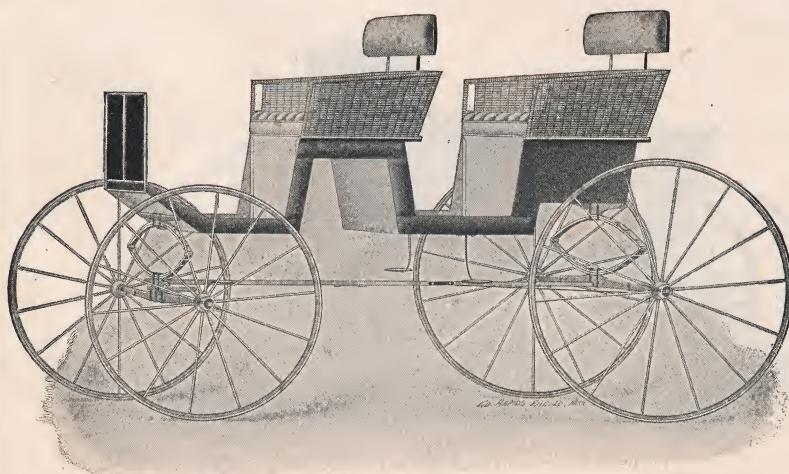
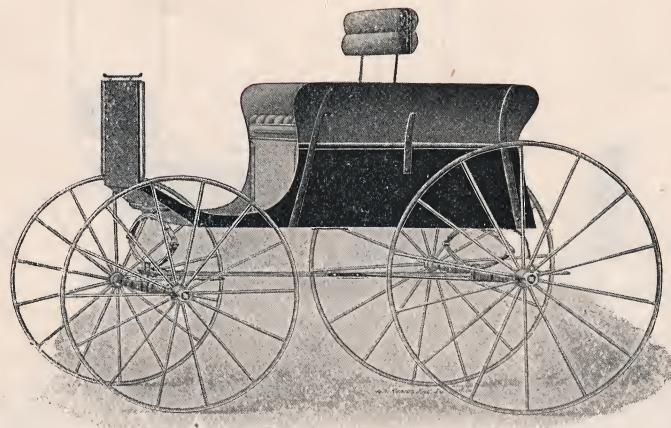
WHEELS—Best grade banded wood hub, 28 and 32, 30 and 34 or 32 and 36 inches high, $\frac{3}{4}$ inch tread.

PAINTING—Body black. Gear carmine regular, black striping. Option green, black, blue or yellow gear, striping to correspond.

UPHOLSTERING—Best all wool green cloth. Option latest style cords. Velvet carpet.

NOTE—This style with flat sides like No. 247 will be No. 221½. Code: Absis. And with reed sides like 249½ will be No. 223. Code: Abseque.

Approximate shipping weight, 350 pounds.



No. 291. Code: Aldo.

BODY—Select hardwood frame; poplar panels. Solid wrought frame seats, covered with finest grade German rattan, with high risers and extra amount of leg room. Solid foot wrought frame dash. Cushion 28 x 15 inches.

GEAR—Select second growth throughout, with easy riding elliptic springs. Axles $\frac{3}{4}$ inch double collar, swaged. Track 3 feet 10 inches. Bradley couplers. Shafts with hand sewed leather trimmings.

WHEELS—Select hickory, banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 34 inches high.

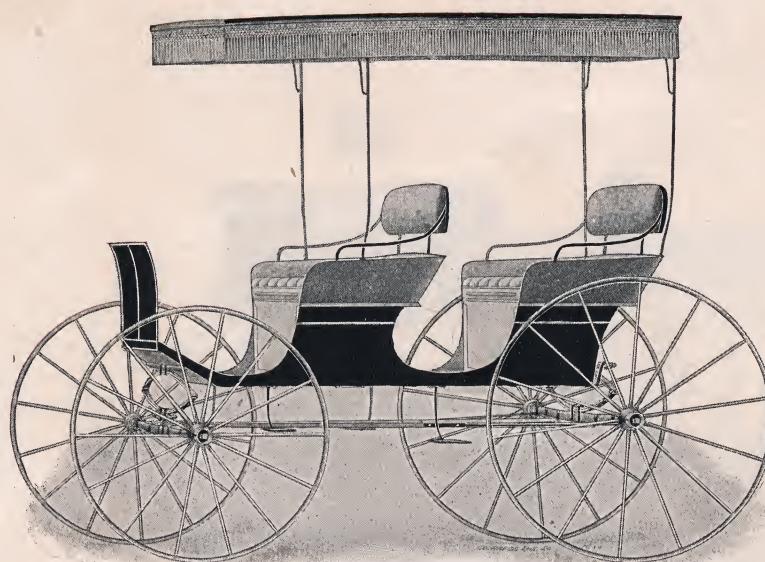
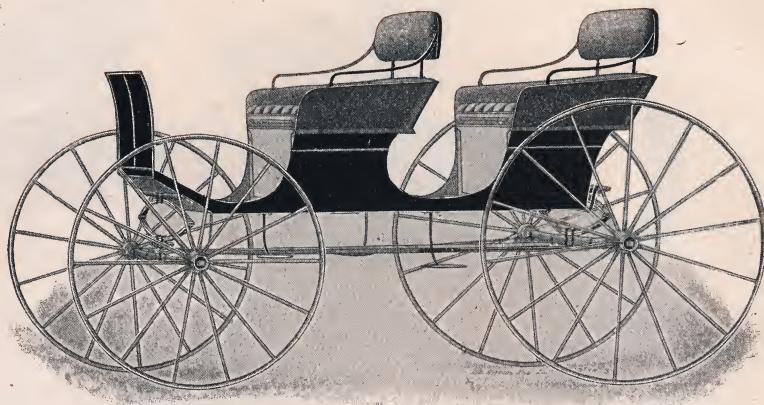
PAINTING—Body deep black. Seats finished in natural color. Gear carmine regular, black striping. Option green, black, blue or yellow gear, striping to correspond.

UPHOLSTERING—Heavy wool dyed green cloth regular. Option blue cloth or cord. Velvet carpet.

NOTE—This style with seats like No. 281 will be No. 290. Code: Akos. Approximate shipping weight, 400 pounds.

No. 230. Code: Abyss.

BODY—Select hardwood frame; poplar panels. Steel rocker plates. Wrought frame padded dash. Cushions about 30×16 inches.
GEAR—Select second growth. Axles $\frac{3}{4}$ inch double collar, swaged. Bradley couplers. Springs extra grade elliptic. Track 3 feet 10 inches. Shafts.
WHEELS—Banded wood hub, $\frac{3}{4}$ inch tread, 32 and 36 inches high.
PAINTING—Body black. Gear regular carmine, black striping. Option green, black, blue or yellow, striping to correspond.
UPHOLSTERING—Heavy all wool green cloth regular. Option blue cloth or latest style cord. Velvet carpet.
NOTE—This style with reed seats like 241 $\frac{1}{2}$ will be No. 240, Code: Accort, and with umbrella like No. 241 $\frac{1}{2}$ will be No. 240 $\frac{1}{2}$. Code: Accub.
Approximate shipping weight, 400 pounds.

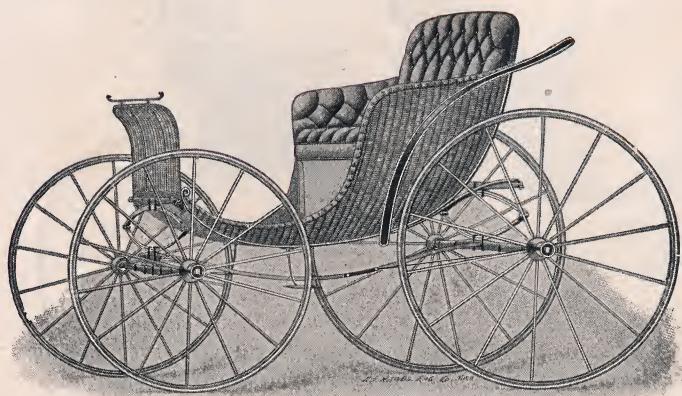


No. 230 $\frac{1}{2}$. Code: Accalle.

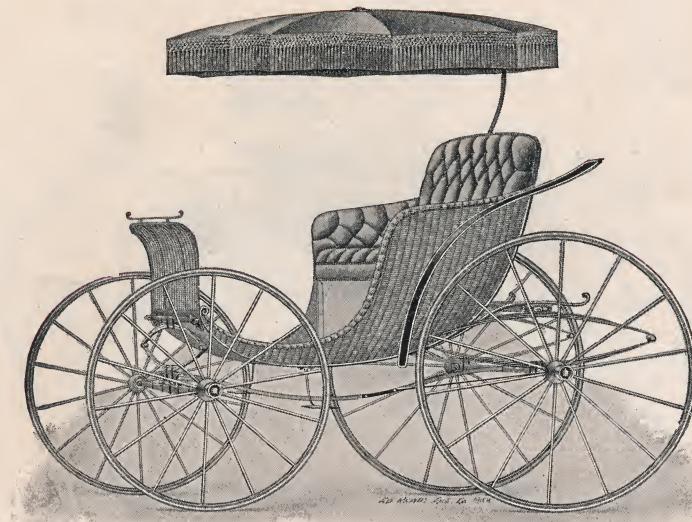
BODY—Select hardwood frame; poplar panels. Steel rocker plates. Wrought frame padded dash. Nice half panel back seats as illustrated. Cushions about 30×15 inches.
GEAR—Select second growth. Axles $\frac{3}{4}$ inch double collar, swaged. Bradley shackles. Springs extra grade elliptic. Track 3 feet 10 inches. Shafts.
WHEELS—Banded wood hub, $\frac{3}{4}$ inch tread, 32 and 36 inches high.
PAINTING—Body black. Gear regular carmine, black striping. Option green, black, blue or yellow, striping to correspond.
UPHOLSTERING—Heavy all wool green cloth regular. Option blue cloth or latest style cord. Velvet carpet.
TOP—Head lining in color to harmonize with the body upholstering. Full curtains.
Approximate shipping weight, 400 pounds.

No. 284. Code: Agat.

BODY—Best hardwood sills. Framework solid forged wrought iron, with wrought dash and fenders covered with fine grade German rattan. Very roomy and luxurious job. Cushion about 33×16 inches. Back about 20 inches. Nickel dash rail.
GEAR—Best second growth. Single reach thoroughly ironed and braced. Fine grade double collar axles, swaged. Special grade easy riding elliptic springs. Track 3 feet 10 inches. Bradley couplers. Nickel axle nuts. Shafts. With hand sewed harness leather trimming.
WHEELS—Best grade banded wood hubs, $\frac{3}{4}$ inch tread, 30 and 36 inches high.
PAINTING—Body finished in natural color. Gear carmine regular, black striping. Option black, green, blue or yellow, striping to correspond.
UPHOLSTERING—Heavy all wool dyed green or blue broadcloth or latest style cords. Hand sewed cushion. Velvet carpet. Umbrella like No. 277 $\frac{1}{2}$ extra.
Approximate shipping weight, 375 pounds.



MICHIGAN BUGGY COMPANY M



No. 277 1/2. Code: Adin.

BODY—Best hardwood sills. Framework solid forged wrought iron, with wrought dash and fenders covered with fine grade German rattan. Very roomy and luxurious job. Cushion about 33 x 16 inches. Back about 20 inches. Nickel dash rail.

GEAR—Best second growth. Single reach thoroughly ironed and braced. Fine grade double collar axles, swaged. Special easy riding elliptic springs, one in front, two in rear. Track 3 feet 10 inches. Bradley couplers. Nickel axle nuts. Shafts, with hand sewed harness leather trimming.

WHEELS—Best grade banded wood hubs, $\frac{3}{4}$ inch tread, 30 and 36 inches high.

PAINTING—Body finished in natural color. Gear carmine regular, black striping. Option black, green, blue or yellow, striping to correspond.

UPHOLSTERING—Heavy all wool dyed green or blue broadcloth or latest style cords. Hand sewed cushion. Velvet carpet.

TOP—Furnished with fine grade umbrella top in color to harmonize with body upholstering extra. This style without umbrella will be No. 277. Code: Adto.

Approximate shipping weight, 400 pounds.

No. 243. Code: Acros.

BODY—Select hardwood frame; poplar panels. Full length steel rocker plates. Solid foot wrought frame dash. Special concave pattern panel seat.

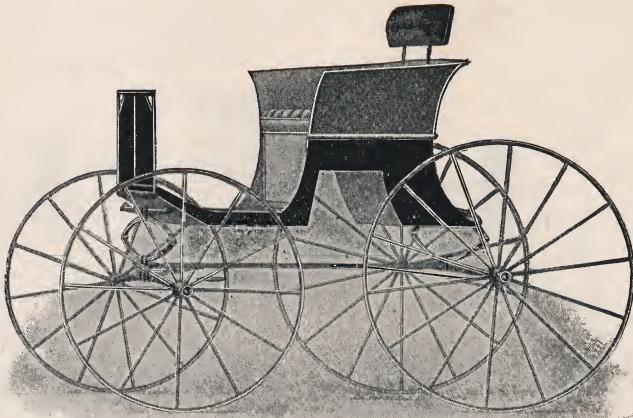
GEAR—Best second growth throughout. All Norway iron forgings. Axles $\frac{3}{4}$ inch double collar, finest steel, swaged. Springs extra fine elliptic. Track 3 feet 10 inches. Bradley couplers. Shafts, with hand sewed leather trimming.

WHEELS—Best grade banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 34 inches high.

PAINTING—Body and seat panels deep black with striping on moulding. Gear regular carmine, black striping. Option green, blue, black or yellow, striping to correspond.

UPHOLSTERING—Heavy all wool green or blue broadcloth. Option latest cord. Velvet carpet.

NOTE—This style with seat like No. 241 1/2 will be No. 242. Code: Acerate. Either style fitted with umbrella like 241 1/2 extra. Approximate shipping weight, 350 pounds.



No. 241 1/2. Code: Aceran.

BODY—Select hardwood frame; poplar panels. Steel rocker plates. Solid foot wrought frame dash. Seat new pattern rattan, best wrought iron frame.

GEAR—Select second growth. All Norway iron forgings. Axles $\frac{3}{4}$ inch double collar, swaged. Springs extra fine elliptic. Track 3 feet 10 inches. Bradley shackles. Shafts with hand sewed leather trimming.

WHEELS—Best grade banded wood hubs, 28 and 32, 30 and 34 or 32 and 36 inches high, $\frac{3}{4}$ inch tread.

PAINTING—Body black. Seat finished in natural color. Gear regular carmine, black striping. Option black, blue, green or yellow, striping to correspond.

UPHOLSTERING—Heavy all wool green or blue broadcloth. Option latest cord. Velvet carpet.

TOP—Fine grade umbrella, lining in color to match body upholstering, extra.

Approximate shipping weight, 350 pounds.

MICHIGAN BUGGY COMPANY M

No. 40. Code: Abron.

BODY—22 x 46, select hardwood frame; poplar panels. Wrought frame dash, extra leather covering. Cushion about 15 x 30.

GEAR—Best second growth. Axles $\frac{3}{4}$ inch double collar, nice arch, swaged, very light. Full wrought forgings. Solid Brewster circle. Wrought steel headblock plate and reach connections. Clip king bolt, oval clips. Track 3 feet 10 inches. Shafts.

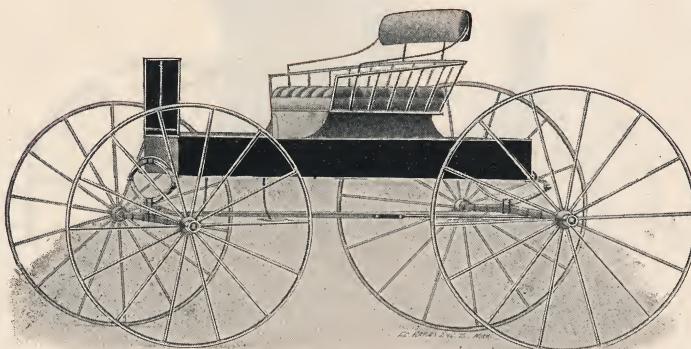
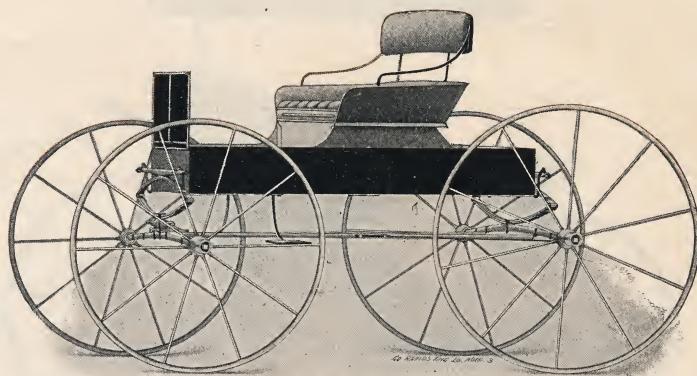
WHEELS—Best banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 32, 30 and 34 or 32 and 36 inches.

PAINTING—Body and seat black, finished inside. Gear carmine, green or yellow, stripings to harmonize.

UPHOLSTERING—Heavy all wool green or blue cloth or latest cord. Velvet carpet.

NOTE—This style with reed seat like 282 will be No. 288. Code: Agso. Also fitted with regular 3 bow rubber top and 44 inch track will be No. 287. See price list. Code: Agric.

Approximate shipping weight, 350 pounds.



No. 281. Code: Adlamoto.

BODY—Select hardwood frame; poplar panels. Special Corning shape. Wrought frame padded dash. New design spindle seat. Cushion about 28 x 15 inches.

GEAR—Second growth. Easy riding elliptic springs. Axles $\frac{3}{4}$ inch double collar, best steel, swaged. Track 3 feet 10 inches. Shafts.

WHEELS—All white hickory, banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 32, 30 and 34 or 32 and 36 inches high.

PAINTING—Body black, nicely finished. Gear regular carmine with black striping. Option green, black, blue or yellow gear, stripings to correspond.

UPHOLSTERING—Heavy all wool green cloth regular. Option blue cloth or latest style cords. Velvet carpet.

NOTE—This style with panel seat like No. 15 $\frac{1}{2}$ will be No. 16. Code: Alabama. And with reed seat like No. 282 will be No. 16 $\frac{1}{2}$. Code: Abrat.

Approximate shipping weight, 350 pounds.

No. 285. Code: Agnos.

BODY—22 x 46, select hardwood frame; poplar panels. Wrought frame dash, extra leather covering. Cushion 15 x 28.

GEAR—Best second growth. Wood bars. Axles $\frac{3}{4}$ inch double collar, nice arch, swaged, very light. Full wrought forgings. Solid Brewster circle. Wrought steel head block plate and reach connections. Clip king bolt, oval clips. Track 3 feet 10 inches. Shafts.

WHEELS—Best banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 32, 30 and 34 or 32 and 36 inches.

PAINTING—Body and seat black, finished inside. Gear carmine, green or yellow, stripings to harmonize.

UPHOLSTERING—Heavy all wool green or blue cloth or latest cord. Velvet carpet.

Approximate shipping weight, 350 pounds.



No. 282. Code: Advo.



BODY—Select hardwood frame; poplar panels. Wrought frame dash. New style rattan seat, with solid forged frame. Cushion about 28 x 15 inches.

GEAR—Select second growth, with long easy side springs having "C" spring attachment behind. The original idea and best side spring wagon made. Axles $\frac{3}{4}$ inch double collar, best steel, swaged. Track 3 feet 10 inches. Quoted with shafts.

WHEELS—Best hickory, banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 32, 30 and 34 or 32 and 36 inches high.

PAINTING—Body panels deep black. Seat finished in natural color. Gear regular carmine with black striping. Option green, black or yellow gear, striped to correspond.

UPHOLSTERING—All wool green cloth regular. Option blue cloth or cord. Velvet carpet.

NOTE—This style with spindle seat like 281 will be No. 280. Code: Adla. Approximate shipping weight, 350 pounds.

No. 15½. Code: Abba.

BODY—Select hardwood frame; poplar panels. Wrought frame padded dash. Nice roomy panel seat. Cushion about 30 x 16 inches.

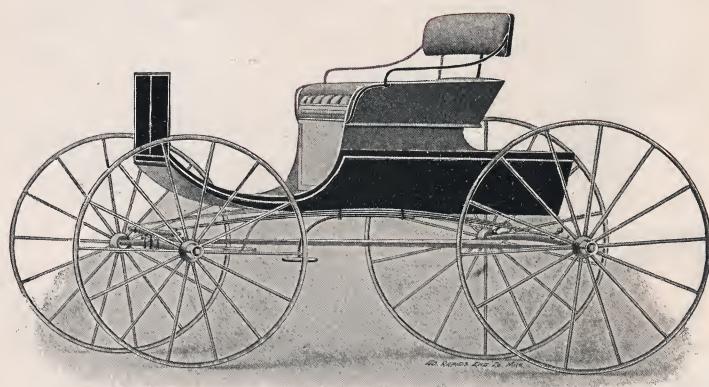
GEAR—Select second growth, with long easy side springs having "C" spring attachment behind. The original idea and best side spring wagon made. Axles $\frac{3}{4}$ inch double collar, best steel, swaged. Track 3 feet 10 inches. Quoted with shafts.

WHEELS—Best hickory, banded wood hubs, $\frac{3}{4}$ inch tread, 28 and 32, 30 and 34 or 32 and 36 inches high.

PAINTING—Body deep black. Gear regular carmine, black striping. Option green, black, blue or yellow gear, striped to correspond.

UPHOLSTERING—All wool green cloth regular. Option blue cloth or cord. Velvet carpet.

Approximate shipping weight, 350 pounds.



No. 294. Code: Alco.

BODY—Select hardwood, well braced and ironed. Extra large high rattan seat with hand forged iron frame. Rattan covered dash. Cushion about 29 x 15 inches.

GEAR—Axles $\frac{3}{4}$ inch double collar, finest steel, swaged. Hickory shafts, finely leathered, made in two sizes, about 48 and 54 inches front of bar. Track about 3 feet 4 inches. Shafts.

WHEELS—Banded wood hubs, $\frac{3}{4}$ inch tread, 32, 34 or 36 inches high.

PAINTING—Regular body black. Rattan finished in natural color. Carmine gear with single line black striping. Option green, blue, black or yellow gear. Option natural wood finished body and gear at extra cost.

UPHOLSTERING—Heavy all wool green or blue cloth. Option latest cords. Velvet carpet.

Approximate shipping weight, 250 pounds.



MICHIGAN BUGGY COMPANY M



No. 262 1/2. Code: Acorn.

BODY—Hardwood frame; poplar panels. Wrought frame solid corner basket, select rattan covering. Nickel rail. Cushions 12 x 36 inches.

GEAR—Axles 1 inch double collar, steel. Track 4 feet 1 inch. Shafts hickory, nicely trimmed, about 60 inches or 66 inches front of bar. Large step.

WHEELS—Select hickory, $\frac{3}{8}$ inch tread. Option 1 inch tread, 34, 36 or 38 inches high.

PAINTING—Body black. Rattan finished in natural color. Gear carmine, heavy single line black striping.

UPHOLSTERING—Cloth or cord trimmings. Spring cushion. Carpet to match.

NOTE—This style furnished with the finest polished German reed, close woven, will be No. 262. Code: Acto. Umbrella furnished with either style, see price list.

Approximate shipping weight, 400 pounds.



No. 263. Code: Accoto.

BODY—Thoroughly constructed throughout. Seat hand forged iron frame, covered with select rattan. Nickel line rail. Cushion about 32 x 11 inches.

GEAR—Axles $\frac{3}{8}$ inch double collar. Track about 45 inches. Shafts best hickory, high bend, furnished in two lengths, about 50 or 56 inches front of bar.

WHEELS—Best white hickory, Sweet band, $\frac{3}{8}$ inch tread, 30, 32 or 34 inches high.

PAINTING—Body black, rattan finished in natural color. Gear carmine regular, black stripe. Option green, blue or yellow. Also furnished in natural wood body and gear at extra cost.

UPHOLSTERING—Heavy all wool green or blue broadcloth or whipeord. Velvet carpet.

Umbrella extra.

Approximate shipping weight, 375 pounds.

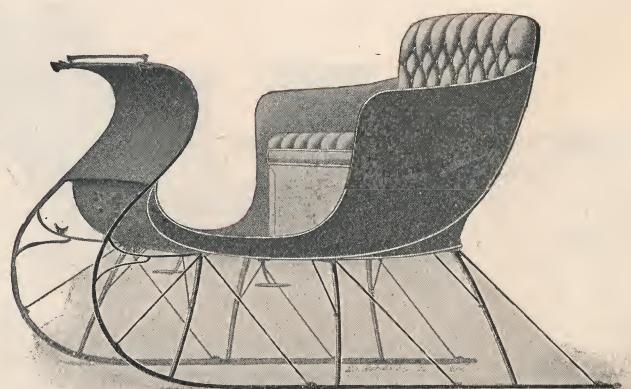
No. 24 Pony Portland. Code: Alloscaw.

PAINTING—Body black. Gear carmine or green, neatly striped.

TRIMMINGS—Heavy wool green cloth or cord. Cushions about 15 x 28 inches. Back about 19 inches.

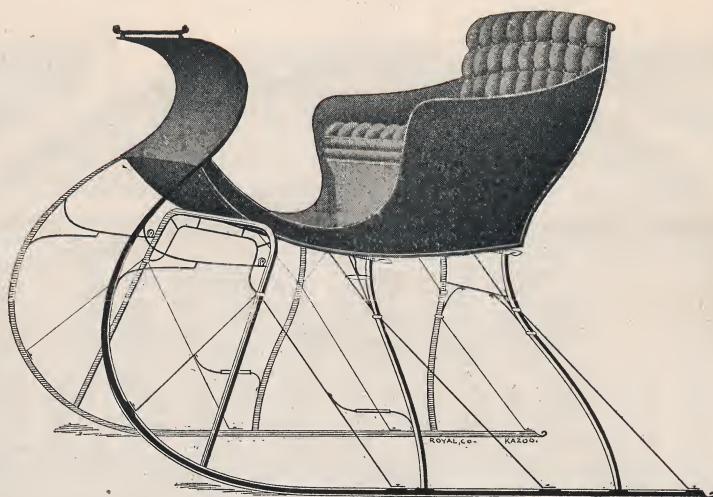
SHIFTER—Draw irons on this style fitted for direct hitch, no bar being furnished. Shafts. Track about 35 inches.

Approximate shipping weight, 175 pounds.





¶ We build about forty styles for business and pleasure purposes. Special Catalog for this department will be forwarded upon application



No. 20. Special Grade Speed Sleigh. Code: Jackson.

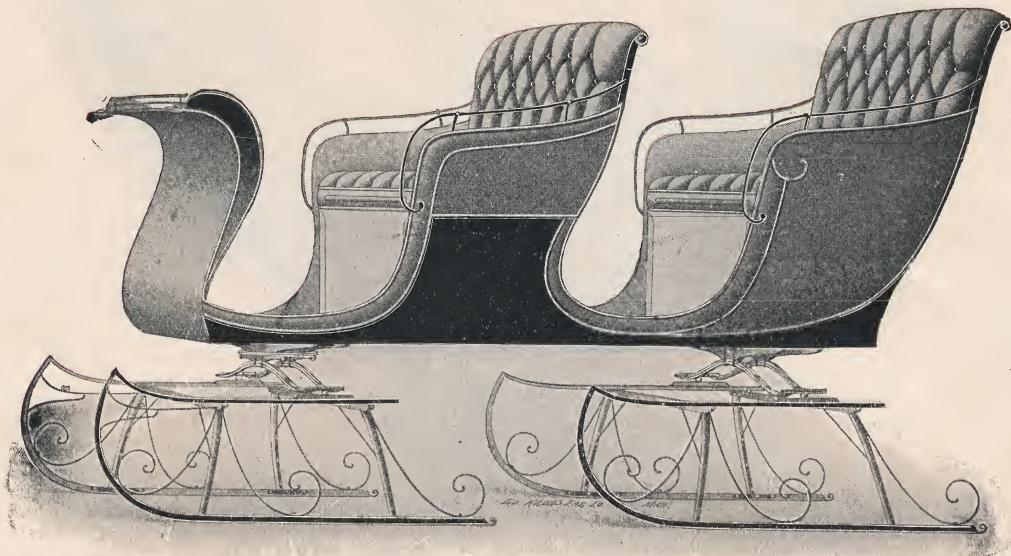
PAINTING—Body black. Gear and dash carmine or green, neatly striped. Furnished in special colors on order, at extra cost.

TRIMMINGS—Removable. Heavy wool cloth regular. Option blue cloth or cord. Cushion about 18 x 33 inches. Back about 19 inches. Nickel dash rail.

TRACK—About 46 inches.

SHIFTER—This style is furnished regular with draw irons equipped for direct hitch, no draw bar being furnished. Special nice, high bend hickory shafts with long patent leather point trimmings being used.

NOTE—The gear of this sleigh is braced both front and rear with special truss braces.



No. 36½. Surrey Spring Sleigh. Code: Roscommon.

PAINTING—Body black and green combination. Gear and dash Brewster green, neatly striped. Option carmine gear and dash.

TRIMMINGS—Heavy wool green cloth regular. Option blue cloth or cord. Cushions about 18 x 36 inches. Backs about 22 inches. Spring cushions and backs. Extra nice nickel dash and seat rails.

TRACK—About 38 inches.

SHAFTS—No draw bar is furnished with this sleigh, draw irons being arranged for direct hitch. Extra nice selected hickory shafts furnished regular.

Kalamazoo Blanket Mills

KALAMAZOO, MICH.

MICHIGAN BUGGY COMPANY, Owners



SPECIAL CATALOG FOR THIS DEPARTMENT
WILL BE FORWARDED UPON APPLICATION

To The Trade

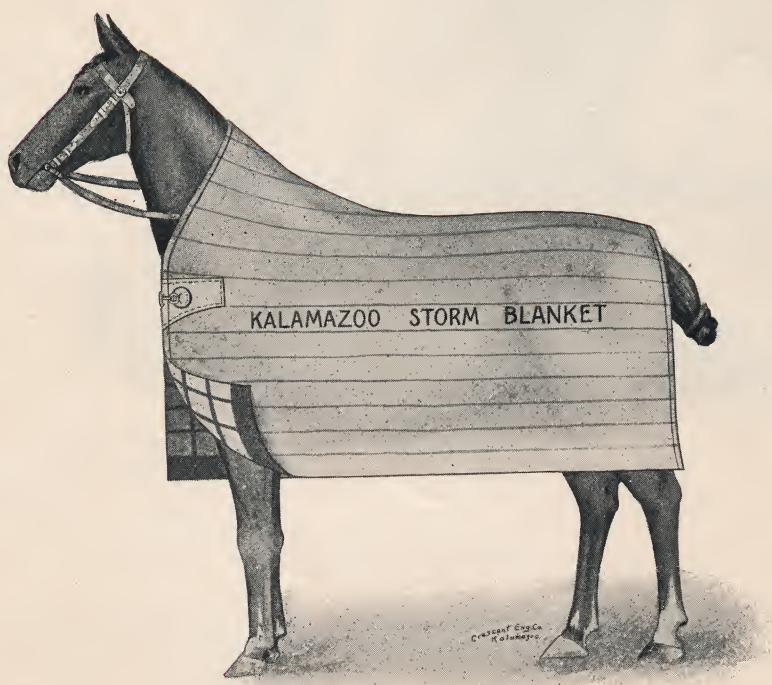
¶ Our goods are produced in the most economical manner. We manufacture our product complete from the raw material. We make our own Kersey, linings—everything. We buy immense quantities of raw goods and pay cash for all we buy. We have the most modern and best equipped blanket mills in the United States. These reasons, together with the fact that we sell DIRECT TO THE DEALER, allow us to make extremely low prices—make it possible for us to save you from ten to twenty-five per cent on all your blanket purchases.

¶ Consider this, Mr. Dealer, then remember that our blankets are made upon honor—that every blanket is just as described, no short weights or short sizes; no tricks or deceits: HONOR blankets.



KALAMAZOO BLANKET MILLS

Michigan Buggy Company, Owners, Kalamazoo, Mich.



¶ Write for special price list and catalog on the famous "Kalamazoo" line of storm and stable blankets.



Care of the Vehicle

- ¶ The vehicle should be kept in a good dry place, under cover, where it is exposed to neither rain nor sun. Should it be left in an unsanitary barn, where it is subjected day after day to the ammonia and dampness of the stable, the varnish would soon be destroyed, leaving the coating porous and exposing the wood and glue to the air. This causes the panels to warp, the joints to open up and the metals to rust.
- ¶ If the floor upon which the vehicle stands is damp, the wheels will dish and spring the spokes until they start out of the hub.
- ¶ Tires should be reset immediately if they become loose.

Washing the Vehicle

- ¶ Soap or hot water should never be used.
- ¶ Care should be taken to see that the water does not touch the trimmings. If the upholstering should be soaked, either in washing or leaving the vehicle out in the rain, the paint on the inside would soon be destroyed. This would result in the seat panels swelling and bursting away from the frame.
- ¶ Mud should not be left on until dry. If frozen on, to soften, the vehicle should be put in a temperate place or lukewarm water should be used in washing.
- ¶ The inside of the body should be washed carefully and dried with a sponge or cloth. Mud left in the corners will hold the moisture for a long time and the chemicals in it will destroy the paint.
- ¶ The hose should never be used in washing bodies or seats. Use a sponge with enough clean water to remove the dirt without scratching the surface.

Telegraph and Cable Code

Questions—Directions

Cable Cipher: MICHBUGCO

BALL.....Ship by express.
BALE.....Ship at once.
BABBLE.....Ship as soon as possible.
BACKWARD..When will you ship my, or our, order of.....?
BADLY.....Wire tracer after shipment of....
BADNESS....Can you ship at once? If not at once, how soon?
BADDER.....Wire best price.....
BADDON.....Write best price.....
BAFFLE....Await further instructions before shipping our order of.....
BAGGAGE....Wire us freight rate to this point in C. L. and L. C. L.
BAGSHORT...If room in car fill with.....
BASKET.....Duplicate our order of.....
BAKING.....Wire price of.....
BALDISH....Express or mail, whichever is cheaper.
BALLAD.....Ship at once with sight draft, bill of lading attached.
BALM.....Get ready and await further orders.
BALSAM....If you have not shipped, await further orders.
BALTIC.....Soon as you ship wire us.
BARB.....Put in first car.....
BANAL....Hold our order of.....Have written.

BANCO.....Your letter of.....received.
 How is job trimmed?
BANTER....If cannot fill order as described, fill nearly so as possible.
BARBER.....Prefer trimming as ordered, but if haven't it send.....
BARCLAY....Prefer wheels as ordered, but if cannot fill promptly send nearest you have.
BARGAIN....Prefer color as ordered, but if not in stock send.....
BARGE.....You may ship goods ordered at your convenience, dating, however, as per terms in order.
BASKET....In answer to your code word "Bedouin" quote.....per cent advance.
BASS.....Do not ship carload less than minimum weight. If you are short of minimum weight add the following.....
BASSET....Add to our order number.....now in your hands.
BAST.....Is your traveling salesman in this vicinity? If so, wire him to come here.
BASTE....We have a customer for....Can you send salesman to help us?
BAT.....Send tracer after shipment of....Not yet arrived.
BATHOS....Unless hear from you by wire to the contrary will.....

Answers

BARKER....Expect to ship on or about the...
BARLEY....Can ship at once.....
BARO....Will ship at once.....
BARRACK....Will ship the.....
BARGATT....Not enough to fill car. What can we put in to fill car?
BARTER....Could ship if had immediate order about
BASE....Are holding your order as instructed some time ago. Have not heard from you; will you permit us to ship now?
BAXTER....Price of.....dollars F. O. B. cars here.
BEACH....Shall we ship via express or freight? You omitted to state.
BEACON....As a matter of good faith remit us N. Y. draft for....dollars, you paying balance on arrival of goods.
BEAN....We are holding shipment awaiting your instructions; please advise promptly.
BEAVER....Your order of.....shipped today.
BEETLE.....shipped today.
BEGGAR....Will ship
BEHEST....Will you permit us to ship goods ordered at our convenience, so as to give us more room?
BELCH....Your order not explicit; please write us again.
BELFRY....Your wire not plain; look over and repeat.
BELGIC....Have nothing painted as described. Can ship.....Shall we do so?
BELLOWS....Can ship.....today. Shall we do so?
BENCH....Can quote you price on No....atnet cash F. O. B. cars here.
BENFILL....All sold out of No.May we substitute No.? If so can ship.....

BENSON....Can ship.....as ordered in about, but if you will permit us to change (color of gear or trimmings or size of body or wheels, as case may be) we can ship in about.....
BENT....Can fill order carmine color gear about.....
BENDER....Can't ship as ordered under.....
BENO....Can fill order dark green colored gear about.....
BENTON....Use your best judgment.
BENROW....Act same as if for yourself.
BEDOUIN....writing for prices. What per cent advance over wholesale shall we quote, or shall we refer him to you? Wire answer as party requires immediate reply.
BEDROP....Your order is short minimum weight. Can we add.....? Answer.
BORAX....Your car is short weight.....pounds. What shall we add to make minimum? Answer.
BEECH....Do you want wide or narrow track? Answer.
BOWMAN....We must have particulars asked for in our letter of.....before we can ship.
BOURN....We will approve order and ship at once, if you will give security for payment of same or remit in advance.
BOROUGH....We are in receipt of the following telegram from... We refer same to you for attention and reply. We have not replied from here.
BECAUSE....Our salesman is too far away. Write or wire particulars.

MICHIGAN BUGGY COMPANY M

TRIMMING DESIGNS

Style No.	Code
0	Zero
0½	Zeal
2	Zenith
3	Zest
4	Zone
6	Zig
6½	Zag
46	Zephyr

SHAFT SHACKLES

Style	
Bradley	Eureka
Regular	Eye

WHEELS

Wood Hub	Circle
Sarven Patent	Compass

HEIGHT

36-40.	Fable
38-42.	Fabilau
41-45.	Facade
44-48.	Facile

TRACK

4 ft. 8 in.	Game
5 ft. 2 in.	Garnet
4 ft. 4 in.	Gait

TREAD

¾ in. Steel	Hopper
⅞ in. Steel	Horde
1 in. Steel	Horn
1½ in. Steel	House
1¾ in. Steel	Huge

SOLID RUBBER

¾ in.	Item
⅞ in.	Infuse
1 in.	Incur
1½ in.	Increase
1¾ in.	Incrust

CUSHION RUBBER

1 in.	Immense
1½ in.	Immerse
1¾ in.	Impact

PONY WHEELS

Height	
28 and 34.	Abacus
30 and 36.	Abauga
28 and 32.	Abasure
30 and 34.	Abodance
32 and 36.	Achmetoo
34 and 38.	Aera
36 and 40.	Action

Other specifications for Pony Vehicles can be selected from regular code.

TWO-WHEEL VEHICLES

Height	Code
26.	Adampri
28.	Addotum
30.	Advota
32.	Adkin
34.	Adlono
36.	Admant
38.	Adoro
40.	Adoka

All Pony Vehicles have wood hub wheels.

PAINT

Body	
Black	Jacket
Blue	Jade
Green	Jape
Maroon	Jarailh
Lake	Jaunt
Natural Wood	Jasmine
Body and Gear	Jupiter

Gears

Black	Lannet
Blue	Lawn
Green	Lemon
Yellow	Least
Lake	Ledge
Maroon	Lend
Carmine	Leader
Natural Wood	

Tops

Full Leather	
Leather Quarters	
Full Rubber	
White Duck	
Canopy	
Umbrella	

Bows

3 Japanned	Radiate
4 Japanned	Radium
3 Leather Covered	Ragah
4 Leather Covered	Raisonne

Trimmings

Green	Bacatae
Blue	Bagetelle
Wine	Bagnio
Cord	Ballif

Leather

Green	Banal
Wine	Bandrol
Russet	Bangle

Imitation Leather

Green	Banitam
Russet	Banyan

NOTICE—Always give the height of your pony at the withers when ordering pony vehicles.

HEIGHT OF PONIES

36 to 40 in. Pony	Uniform
30 to 48 in. Pony	Unfold
48 to 56 in. Pony	Ultra
55 to 60 in. Pony	Umpire

Quotations

	Cents
Dace	25
Dado	50
Daisy	75
Dals	1
Dandy	2
Danger	3
Daring	4
Darken	5
Darling	6
Daunt	7
Dawn	8
Dealer	9
Daylight	10
Debate	11
Decade	12
Decamp	13
December	14
Decking	15
Declare	16
Decline	17
Decorate	18
Decoy	19
Deface	20
Default	25

	Dollars
Defeat	30
Defence	35
Define	40
Defraud	45
Degrade	50
Delight	55
Delude	60
Demand	65
Demerit	70
Denote	75
Dense	80
Deny	85
Depart	90
Depress	95
Deprive	100
Derange	150
Derive	200
Descend	300
Desert	400
Design	500
Desk	600
Detain	700
Denmark	800
Despise	900
Detract	1000



Cable Cipher: MICHBUGCO

SURREYS

Style	Page	Code
211½	7	Surround
211	7	Surprise
347	8	Suite
367	8	Subscribe
271	9	Sturdy
368	9	Stygian
272	10	Swing
270	10	Sun
365	11	Stub

CONCORDS—SLAT WAGONS AND BUCK-BOARDS—Continued

Style	Page	Code
269	42	Kite
67	42	King
102	43	Decide
101	43	Deek
358	43	Ease
358½	43	Economy

DEMOCRAT AND SPRING WAGONS

TRAP

Style	Page	Code
184	11	Pagent

PHAETON

Style	Page	Code
196	12	Phrensy

OPEN BUGGIES

Style	Page	Code
354	12	Pumper
273	13	Ogle
329	13	Ornate
46	14	Oasis
47	14	Oakum
326	15	Outdo
325	15	Oscillate
204	16	Occupy
48	16	Obedient
323	17	Organ
348	17	Orb
300	18	Opera
342	18	Ode
363	19	Oxlip
213½	19	Octagon
349	20	Oracle
276	20	Onward
336	21	Omega
321	21	Orbit
140	22	Abroad
182	22	Obtain
292	23	Object
199	23	Obelisk
324	24	Original
99½	24	Obey

DELIVERY WAGONS

Style	Page	Code
76	50	Yacht
77	50	Yak
86	51	Yelp
87	51	Yield
79	52	Yearn
185	52	Yodel
186	53	Yonder
187½	53	Yew

CARTS

Style	Page	Code
2	54	Quake
2½	54	Quatin
5	55	Quay
328	55	Quick

PONY CARRIAGES

TOP BUGGIES

Style	Page	Code
152	25	Oyez
57	25	Teller
148	26	Objuscate
149	26	Tornicity
150	26	Objurgate
151	26	Toplary
351	27	Timber
276½	27	Trump
362	28	Turret
342½	28	Tower
52	29	Tanden
60	29	Terrace
176	30	Topmost
58	30	Temple
56	31	Tempest
70	31	Torrent
51	32	Talent
350	32	Timid
54	33	Tassel
59	33	Tenar
293	34	Tutrix
133	34	Torch
170	35	Torry
33	35	Tabby

Style	Page	Code
267	60	Actus
269	60	Adav
268	60	Accuto
247	60	Acheta
249½	61	Acno
249	61	Acido
221	61	Abronto
221½	61	Absis
223	61	Absque
291	61	Aldo
290	61	Akos
230	62	Abyss
240	62	Accort
240½	62	Accub
230½	62	Accale
284	62	Agat
277½	63	Adin
277	63	Adto
243	63	Aeros
242	63	Acerate
241½	63	Aceran
40	64	Aboron
288	64	Agso
287	64	Agrie
285	64	Agnos
281	64	Adiamoto
16	64	Abbrama
16½	64	Abrat
282	65	Advo
280	65	Adla
15½	65	Abba
294	65	Alco
262½	66	Acorn
262	66	Acto
263	66	Accoto
24	66	Alloseaw
11	67	Ahato
13	67	Abaf
14	67	Abate
352	67	Dog

CONCORDS—SLAT WAGONS AND BUCK-BOARDS

Style	Page	Code
155½	36	Triumph
274	36	Trophy
346	37	Tourist
156	37	Transfer
338	38	Trek
338½	38	Trinket
344	38	Trunk
344½	38	Orphean
359	39	Orifice
360	39	Ornament
343	40	Kelt
155	40	Kaiser
50	41	Klitter
62	41	Kipper

SLEIGHS

Style	Page	Code
20	70	Jackson
36½	70	Roscommon

